

UNIVERSITY OF GHANA  
LEGN



*Annual Report*  
**2005**

## PREFACE

This report satisfies a statutory requirement that the Vice-Chancellor reports on the work of the University to Congregation. During the past year, The University has been guided by its Strategic Plan in its work. A review of achievements of the Plan indicated that a lot has been done during the three years of implementation of the Plan. It is our hope that the rest of the objectives of the Plan will be achieved during the remaining seven years of its life.

The University continues to expand in student numbers. From a population of fewer than 5000 students in 1994/1995, the population grew to a little over 10,000 in 1999/2000 and in 2004/2005 the population is almost 27,000. One can imagine the pressures on the facilities of the University with this phenomenal increase in student population.

In the course of last year the University made a lot of progress on infrastructure development. When I assumed office on October 1, 2002 lecture hall space and residential accommodation seemed to be the most pressing needs of the University. We therefore took steps to address them. By the end of 2004 the University had taken over five new lecture halls, an extension for the Departments of Political Science and Psychology which also has some lecture halls in it, a clinical facility and an international parasitological laboratory. A few other infrastructure projects like extension to Balme Library, additional lecture halls, permanent buildings for the School of Allied Health Sciences, the School of Public Health, LECIA and Faculty of Law, Staff Development and Learning Resource Centre, Molecular Biology Research Facility, hostels for students and a sports complex (with a stadium, swimming pool, gymnasium and changing rooms) are being undertaken and they will be completed soon.

In terms of governance, the University finally completed work on the revision of the Statutes of the University and it became effective on August 1, 2004. The new Statutes are expected to streamline the way things are done in the University.

It is heart warming to note that the University completed the re-organization of central administration in 2004. Ten administrative directorates have been established to take care of various activities of the University. It is our hope that the changes will bring efficiency in the work of the University.

In the academic sphere, a Centre for Gender Studies and Advocacy and a Centre for Distance Education were established. The College of Agriculture and Consumer Sciences came into being as the second College of the University.

In consonance with the tradition of the University, Professor Kwame Anyane-Yeboah of Columbia University, New York, USA delivered the 2004 Aggrey-Fraser-Guggisburg Memorial Lectures on the theme, "Did Adam and Eve really live in the Garden of Eden?" The well-attended three lectures gave a lot of insight into genetic factors in the epidemiology of disease.

At a special congregation held in March 2004, seven distinguished Ghanaians and one diplomat were awarded honorary doctorate degrees by the University. These were Professor Kwame Anyane-Yeboah, Otumfuo Osei-Tutu II, Professor Ivan Addae-Mensah, His Eminence Peter Cardinal Appiah-Turkson, Dr. Yeboa Amoa, Prof. Miranda Greenstreet, Dr. Kazuko Asai, and Dr. Matthew Anum Barnor.

The use of ICT to drive the activities of the University is a major objective of the University. After successful fund-raising the University is making progress in the content of its ICT and in the expansion of access. Students are being introduced to ICT so that they become computer literate before they leave the University. The Staff Development and Learning Resource Centre are providing an avenue for training of senior members in the use of technology for their work.

To make it easier for graduates of the University to obtain employment or set up their own businesses, the University introduced a compulsory course in entrepreneurship development for all undergraduates. It is the hope of the University that the skills that would be acquired in the course would help raise the productivity of University of Ghana graduates.

Maintenance of quality has been a major concern of the University but it requires resources to do it well. As we ask students to contribute a little more towards their education we also recognize the inability of some to pay so much. In order that the poor may not be excluded from higher education, the University has established Student Financial Aid Office to assist the poor who are capable of enrolling in the University. We hope that benefactors, especially the alumni of the University would contribute generously to the Financial Aid Fund or set up scholarship schemes for students in the University.

The University continues to promote research and advocacy for the development of the country. The faculty engages in all types of research activities from which they turn out both scholarly and extension publications. Apart from using them for promotion exercises, these publications have assisted immensely in the development process in the country. Many senior members serve on boards and committees of public and private organizations, which benefit from their experiences. This is in line with the objective of bringing the University closer to the people.

Despite the many difficulties and challenges, which confronted the University in 2004, we reckon that we were successful in many of the things that were tackled in the course of the year. We are determined to move the University of Ghana to greater heights in the near future.

May God bless all of us.

**Kwadwo Asenso-Okyere, PhD, FGA,  
FACE**

Professor and Vice-Chancellor  
March 12, 2005.

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# COLLEGE OF AGRICULTURE AND CONSUMER SERVICES

## DEPARTMENT OF AGRICULTURAL ECONOMICS AND AGRIBUSINESS

### Overview

The Department teaches courses in Agricultural Economics, Agribusiness, and Agricultural Administration. The programmes are offered jointly with other departments, particularly the Department of Economics. These programmes include the following:

- M.Phil. and Ph.D in Agricultural Economics
- M.A.A. and M.Phil. in Agricultural Administration
- M. Phil in Agribusiness
- Three-Year B.Sc. (Hons) degree in Agriculture with specialization in Agricultural Economics and Agribusiness

The Department also teaches courses for the Diploma programmes and Level 100, 200 and 300 of the degree programme.

### Student Numbers

Level 400	-22
Graduates	-54
Ph.D	-5

### Staff Strength

#### Senior Members

Dr. Ramatu Mahama Al-Hassan	-	Snr. Lecturer and Head of Department
Rev.Dr S. Asuming-Brempong	-	Snr. Lecturer
Mr. A. Mensah-Bonsu	-	Lecturer
Dr. E. K. Andah	-	Snr. Lecturer (Part-Time)
Dr. D. B. Sarpong	-	Snr. Lecturer
Dr George T-M. Kwadzo	-	Lecturer
Mr. K. Yerfi Fosu	-	Lecturer
Mr. D. P. K. Amegashie	-	Lecturer
Mrs. Irene S. Egyir	-	Lecturer
Mr. V.O. Asante	-	Lecturer (on study leave)
Mr. K. O. Baah	-	Snr. Lecturer (On secondment to Ministry of Food and Agriculture)
Mr. John B.D. Jatoe	-	Lecturer (on study leave)

## **Junior and Senior Staff**

Emelda A. Akotoye	Snr. Administrative Asst.
F.B.Dadson	Snr. Research Asst.
Grace Nyarko	Clerk Grade II
Reindorf Darkoh	Jnr. Lib. Asst. Grade III
Davies A. Asagmi	Cleaner/Messenger

## **Research**

### **Al-Hassan, R. M.**

- Socio-economic component of the project, 'Enhancing Rural Livelihoods through a Coalition Arrangement for the Dissemination of Improved Rice Post-Production and Marketing Technologies in Northern Ghana'. Project is implemented in collaboration with Food Research Institute, ADRA, and TechnoServe, and is funded by the Department for International Development, UK. Project ends in December, 2004.
- Poverty and Social Impact Analysis of the Modernisation of Ghana was. Commissioned by the National Development Planning Commission and Funded by the Department for International Development of the United Kingdom. January – June, 2004.

### **Amegashie, D.P.K.**

- Poverty and Social Impact Analysis (PSIA) Studies on Ghana: Economic Transformation of the Agricultural Sector (with 8 other Senior Members).

### **Asuming-Brempong, S.**

- Poverty and Social Impact Analysis (PSIA) of the Modernization of Ghana's Agricultural Sector. Coordinator for the Study Team from the Departments of Agricultural Economics & Agribusiness and Economics, University of Ghana, with Technical Support from the IDL Group, UK. Funded by NDPC/DFID, Accra. January to June, 2004.
- The Impact of Morbidity and Mortality on Cocoa Production: A Study of Small holder Farming Households in Western Region in Ghana. A Joint Project with the Center for International Health and Development, Boston University School of Public Health, USA. Funded by USAID through the SARA Project, Washington DC. June 2004 to May, 2005.

### **Egyir, I. S.**

- Econometric analysis of adoption, and policies of pest management technologies of stored cereals in Ghana. Ph.D Thesis. Finalising report for Award, September –November, 2004.
- Feasibility Study on organisation of supply lines for cassava chips UNIFEM/GRESDA.
- Beneficiary Assessment of Gbimisi Sheabutter Processing Group. Jan. April 2004. Team member
- DFID/GOG/PSIA Ghana: Economic Transformation of the agricultural sector. Team member. June, 2004.

- Women in Trade in Ghana. Friedrich Ebert Stiftung. June – July, 2004.
- The Challenge Project. Improving Water Use Efficiency in Dryland Farming. ISSER. July 2004 –July, 2009.
- Mechanisms and Tools for Generating and Disseminating Appropriate Local Content in Underprivileged Communities in Ghana. A Proposal developed for IDRC in collaboration with the Ghana Information Network for Knowledge Sharing (GINKS). November, 2004.

#### **Fosu, K. Y.**

- Trade and Macroeconomic Policies, Agriculture, Development and the Environment.
- Trade Policy and Poverty.
- Models of the Effects of Trade Policies on Incentive Structure.
- Ricardian Modelling of Climate Change and Agriculture.
- Modelling Improved Technology Use, Replanting and Sustainability of Cocoa Production Systems.
- Water and Poverty.
- Monetary Policy and Agriculture.
- Modelling Iso-Poverty Surfaces.
- Modelling the Dynamics of Resource Structure Under Uncertainty.
- Modelling Macroeconomic Policies, Iso-Poverty Surfaces and Poverty Reduction.
- Calculus of Poverty.

#### **Kwadzo, G. T-M**

- With other senior members of Department, Ghana: Transformation of the Agricultural Sector (PSIA Studies).
- Developing Food Safety Strategies and Procedures through reduction of Food hazards in Street-Vended Food to Improve Food security for Consumers, Street Food Vendors and Input Supply was responsible for the socio-Economic Study Component.
- Evaluation of AGRED Institution Support Programme.
- Policy options of population trend data for household formation, housing and housing conditions.
- African Imperatives in the New World Trade Order: A Case Study of Ghana and the Agreement on Agriculture.
- Impact of Agriculture and Related Reforms on Domestic Food Security in Ghana Mensah-Bonsu, A.
- Research/Projects(With others) Study on Cocoa Replanting and Improved Technology Use in Ashanti Region. An Action Based Research Programme (On-going).
- Price and Non-Price Determinants of Fertilizer Use in Northern Ghana.

#### **Sarpong, D. B.**

- The Department continued her collaboration with Dr. Susanna Wolf, a Senior Research Fellow, and Center for Development Research (ZEF), Universitat Bonn, Germany, who was a Visiting Research Fellow, under the Alexander von Humboldt Foundation. Her collaborator was Dr. D.B. Sarpong on the

research theme: Governance and Investment in Africa: Determinants of Domestic and Foreign Investment in Different Sectors—the case of Ghana. The research collaboration came to a close in August 2004.

## **Conferences/Seminars/Workshops**

### **Al-Hassan, R. M.**

- Project Completion Workshop of the Public-Private Partnership for the Development of Biopesticides in Africa., Held in Cotonou Benin from November 27-28, 2003.
- National Economic Dialogue, held at the International Conference Centre, Accra, 26th May, 2004.
- Workshop on Enhancing Rural Livelihoods through a Coalition Arrangement for the Dissemination of Improved Rice Post-Production and Marketing Technologies in Northern Ghana. Project review workshop held in Miklin Hotel, Accra, 24 September, 2004.
- Workshop on the Roles of Agriculture in Ghana, held at Ghana Institute of Management and Public Administration, Accra, September, 2003.

### **Amegashie D. P. K**

- Participated in Workshop on the Validation of National Medium Term Investment Programme jointly organized by Food and Agriculture Organisation (FAO) and Ministry of Food and Agriculture (MoFA) at Regency Hotel, June 9–10, 2004.
- Participated in Workshop on “Enhancing Agribusiness Development Capacity in Ghana”; jointly organized by the University of Ghana and University of Guelph in July, 2004.

### **Asuming- Brempong, S.**

- PROLINNOVA National Workshop on Agricultural Policy in Ghana, EREDEC Hotel, Koforidua, Ghana. 7–12 August, 2003.
- Roles of Agriculture International Conference, FAO, Rome, Italy. 20–22 October, 2003.
- Workshop on Agriculture & Rural Development Growth in Ghana, organized by the Ministry of Finance & Economic Planning/World.
- Bank/International Fund for Agricultural Development (IFAD) at La Palm Royal Beach Hotel, Accra, November 17–18, 2003.
- Regional Workshop on Food and Nutrition Security Policies for West Africa: Implementation Issues and Research Agenda. Organized by IFPRI and CIRAD, Bamako, Mali. 12–16 January, 2004.
- Conference on Assuring Food and Nutrition Security in Africa by 2020. Kampala, Uganda. April 1–3, 2004. Organized by IFPRI and the Government of Uganda.

## **Workshop/Conference Papers**

- Economic and Agricultural Policy Reforms and their Effects on the Roles of Agriculture in Ghana. Paper prepared for the Roles of Agriculture International Conference, FAO, Rome, Italy. October, 2003.

- Agricultural Policy formulation in Ghana: Processes, Strengths, Weaknesses and Opportunities. Paper presented at the PROLINNOVA National Workshop, EREDEC Hotel, Koforidua, Ghana. August, 2003.
- Ghana's Food Security Situation and the Challenges. Paper presented at a Workshop for Media Personnel; organized by the Ghana Agricultural Workers Union (GAWU) of TUC at the Ghana Press Center, Accra. 21 August, 2004.

### **Egyir I. S.**

- Conference on the Participation of Women in Politics and Gender Policies African/International Experiences and Lessons Learnt. Abantu for Development and the Friedrich Ebert Stiftung. Cresta Royal Hotel, Accra November 2-4, 2004.
- US-Ghana CCARD Training of Trainers Workshop on Production, and Post Harvest Handling of Mango. October 13-18, 2004: Resource Person.
- US-Ghana CCARD Training of Trainers Workshop on Production, and Post Harvest Handling of Papaya Potatoes. September 12-17: Resource Person.
- Book Launch: A Women's Manifesto by Coalition of Women's Groups/Abantu for Development/ Friedrich Ebert Stiftung. Ghana International Conference Centre. September 1, 2004.
- Book Launch: Women in Agriculture in Ghana by Beatrice A. Duncan. Friedrich Ebert Stiftung. July 14, 2004.
- Seminar: A Women's Manifesto. WIB/Abantu for Development/FES. Golden Tulip Hotel. June 30, 2004.
- Post-Harvest Technology of Perishables. Department of Agricultural Engineering. University of Ghana, Legon. July 5-16, 2004. Resource Person.
- Inception Workshop on Improving Water Use Efficiency in Dry land Farming. Challenge project. Savannah Agricultural Research Institute (SARI). April 27-30, 2004. Research Team Member.

### **Fosu, K. Yerfi**

- GEF/World Bank International Workshop on Global Warming and Agriculture. Cairo, Egypt, 2003 (Presenter of a Scientific Paper).
- CIRAD/SCCS Workshop on Participatory Research. Togo, 2003 (Presenter of a Survey Brief).
- CIRAD/SCCS Workshop on Focus Group Discussions with Cocoa Producers, Ashanti Region, Ghana (Leader and Resource Person).
- GEF/World Bank Workshop on Climate Change and Agricultural Systems. Drakensberg, Kwazulu Natal, South Africa. 2004 (Presenter of a Scientific Paper).
- GEF/World Bank Workshop on Understanding and Adapting to Climate Change: What the World Can Learn from Africa's Experience, Zaragoza, Spain. 2004 (Presenter of a Scientific Paper).

### **Kwadzo G. T. M**

- US-Ghana CCARD Training Workshop on Production and Post-Harvest handling of Papaya, August 18-20, 2004.

- 26th RECA Seminar on “Sustainable Family Farming and Agricultural cooperatives” Prepared a paper on “Family Farming and Agriculture in Ghana”, IDACA Tokyo, 19 July- 01 August, 2004.
- US-Ghana CCARD Training Workshop on Production and Post-Harvest handling of Papaya, August 18-20, 2004. Facilitate the preparation of Business Plan for Papaya Business.
- Rural Finance Services project Monitoring and Evaluation Review Workshop 22nd-24rd September, 2004.

#### **Sarpong D. B.**

- FAO, Rome. International Conference on Roles of Agriculture (ROA), Rome-Italy, October 19-24, 2003. Paper: The Social Security Role of Agriculture in Times of Crisis: The Ghanaian Experience.
- ISSER International Conference on Ghana at the Half Century, Accra-Ghana. July 18-20, 2004. M-Plaza Hotel, Accra. Paper: Export Performance and Investment Behavior of Ghanaian Firms. (with Susanna Wolf).

### **Publications**

#### **Al-Hassan, R. M.**

- Al-Hassan, Ramatu and John Baptist D. Jatoo (2003). The Role of Agriculture in Poverty Reduction in Ghana. Agricultural and Development Economics Division (ESA) Food and Agriculture Organisation, Rome, Italy.
- Ghana: Economic Transformation of the Agricultural Sector. Technical Report prepared for the National Development Planning Commission (NDPC)/ Ministry of Food and Agriculture (MoFA) and DFID. June, 2004. (with nine other authors).

#### **Asuming-Brempong S.**

- Responding to Economic Shocks in Ghana: The Agricultural Sector as a Social Safety Net. Journal of Agricultural and Development Economics (eJADE). Vol 1. No 1. 2004. pp 117-137. (with D. B. Sarpong).
- Ghana: Economic Transformation of the Agricultural Sector. Technical Report prepared for the National Development Planning Commission (NDPC)/ Ministry of Food and Agriculture (MoFA) and DFID. June, 2004. (with nine other authors).
- Post Production, Value Addition and Marketing of Agricultural Commodities in Ghana: Potentials, Constraints and Opportunities. Technical Report prepared for The World Bank, Accra Office. November, 2003.

#### **Egyir I. S.**

- In print: Women and Trade in Ghana, Friedrich Ebert Stiftung, Accra.

#### **Fosu, K. Y.**

- Trade Liberalisation Policy and the Energy Sector. Ghana Journal of Consumer Affairs (forthcoming).

- Climate and Agriculture: A Ricardian Model. World Bank, Washington, D.C., U.S.A (forthcoming).

#### **Kwadzo, G.T-M.**

- Inventory Credit: A Financial Product in Ghana, in Workshop proceedings on Agricultural Finance in Ghana. Organised by GTZ/ARB Apex Bank pages 19–30.

#### **Mensah-Bonsu, A.**

- Migration and Environmental Pressure in Northern Ghana, PH.D Dissertation, Vrije Universiteit, Amsterdam, November, 2003.

#### **Sarpong, D.B.**

- Sarpong, D. B. Farm Size, Resource Use Efficiency and Rural Development: TechnoServe and Small-scale Pineapple Farmer Groups in Ghana. Issues in African Rural Development, Monograph # 30. Winrock International Institute for Agricultural Development. August, 2002. 20 pp. ISBN: 1-57360-047-4.
- Sarpong, D. B. and S. Asuming-Brempong (2004). Responding to Economic Shocks in Ghana: The Agricultural Sector as a Social Safety Net. electronic Journal of Agricultural and Development Economics, 2004. Vol. 1, No. 1. Pp. 117-137. FAO, Rome.

#### **Extension Work**

##### **Al-Hassan, R. M.**

- Member, National Advisory Council, of The Hunger Project – Ghana.
- Member, Council of University College of Education, Winneba.
- Review of the Agricultural Sector (August-September, 2004). Conducted with Rambold Consult for the African Development Bank.

##### **Fosu, K. Yerfi**

- Training of young economists on the modelling of economic systems.
- Training of young scientists on research methodology and the analysis of environmental and sustainable development issues.
- Identification and alleviation of the constraints to cocoa replanting and the use of improved technology in the Ashanti Region of Ghana.

##### **Amegashie, D. P. K.**

- Consultant in the Preparation of Report on the National Medium Term Investment Programme (NMTIP) (2004), in support of CAADP and NEPAD.

##### **Asuming-Brempong, S.**

- Board Member, Board of Graduate Studies, University of Ghana.
- Council Member, Legon Hall Council, University of Ghana.
- Member, Finance Committee, University of Ghana.
- Board Member. Board of Governors, St. John's Grammar School, Accra.

**Kwadzo, G.T-M**

- Ghana-German Agricultural Support Programme. Strategic Review Workshop.
- US-Ghana CCARD Training of Trainers Workshop on Production, Post-Harvest Handling and Value Addition of Pineapples.
- US-Ghana CCARD Training of Trainers Workshop on Production and Post-Harvest Handling of Sweet Potatoes
- Lecture on "Agriculture and Development in Ghana" to Cunny Graduate Centre Summer Programme of International Affairs for New School University.
- Technical Group Meeting on Poverty Reduction to Wealth Creation, Building Consensus on a Vision for Ghana

**Sarpong, D.B.**

- DFID/NDPC/MoFA. Economic Transformation of the Agricultural Sector. November, 2003 – March 2004. Team Member.
- FSRPOP/MoFA: Tariffs and Rice Development in Ghana. November 2003-February, 2004. Team Member

**Awards****Al-hassan, R.M.**

- DfID/IITA Travel Award, November, 2003

**Fosu K. Y.**

- GEF/World Bank Research Award 2003/2004
- FMFA France Research Award 2003/2004
- CIRAD/SCCS France Travel Award 2003
- FMFA/CIRAD France Travel Award 2003
- GEF/World Bank Travel Award 2003
- TFESSD World Bank Travel Award I 2004
- TFESSD World Bank Travel Award II 2004

**DEPARTMENT OF AGRICULTURAL ENGINEERING****Overview**

The Department of Agricultural Engineering provides training, research and extension services in Agricultural Engineering to meet the challenges of increasing the quantity and quality of food, feed and fibers. The activities of the department are grouped under the following Headings:

Farm Power and Machinery Engineering.

Soil and Water Engineering.  
Post-harvest Engineering.

### **Staff**

Dr. Richard Jinks Bani MASAE, MGSAAE	-	Senior Lecturer (Head of Department)
Dr. Aliu A. Mahama MGhIE	-	Senior Lecturer
Dr. Malcolm N. Josiah AMGhIE, MASAE, MGSAAE	-	Lecturer
Dr. Eric Kra MASAE (MBR-E), MGSAAE	-	Lecturer
Dr. S. Abenney-Mickson MGSAAE, M-JSIDRE	-	Lecturer
Dr. E. B. Sabi MASAE, MCSAAE	-	Lecturer

### **Junior and Senior Staff**

Mr. Joshua Peki	-	Chief Technician
Mr. David Ayikwei	-	Principal Technician
Mr. Anthony Amepome	-	Senior Technician
Ms. Stella Kwami	-	Senior Administrator Assistant
Mr. Adotey Akwei	-	Assistant transport Officer
Mr. Samuel Younge	-	Laboratory Technician
Mr. Emmanuel Obeng	-	Senior Department Assistant
Ms. Fauatina M. S. Agordah	-	Clerk Grade 1

### **Research**

#### **Bani, R. J.**

- Performance characteristics of traditional animal houses
- Non-destructive tests for quality assessment of agricultural produce
- Energetics in animal buildings.
- Modeling of engineering characteristics of biological materials

#### **Mahama, A. A.**

- Animal traction technology development.
- Tillage systems and their appropriate use in agriculture
- Livestock mechanization systems

#### **Josiah, M. N.**

- Effect of Different Tillage Practices on Soil Moisture Retention of some Soil Series.
- Performance Evaluation of an Oven Dryer for Copra.
- Uncertainties Associated with In-Situ Determination of Soil Infiltration Characteristics using the Advance Front Method.
- Preservation of Foodstuffs.
- Geostatistical analyses of variability of physical and mechanical properties of soils.
- Geostatistical analyses of variability of crop yield.

**Kra, E. Y.**

- Irrigation system design and evaluation software development
- Open channel flow modelling

**Sabi, E. B.**

- Drainage of agricultural land in relation to soil physical condition
- Soil moisture conservation with biomass boards
- Reduction of soil loss with biomass boards

**Publications****Bani, R. J.**

- Josiah, M. N. and Bani, R. J. (2004) Agricultural Mechanization and Food Security in Ghana Post-harvest Forum, Vol. 4: 11–15. Publishers: Food and Energy Security Foundation, Ghana. ISSN 0855-6334.
- Bani, R.J. Josiah, M.N. and Kra, E.Y (2004) Losses in Tomatoes in Transit Post-harvest Forum, Vol. 4: 3-7. Publishers: Food and Energy Security Foundation, Ghana. ISSN 0855-6334.
- Bani R.J.(ed) Post-harvest Technology of Fruits and Vegetables – A Training Manual. Department of Agricultural Engineering, University of Ghana, and Ministry of Food and Agriculture Ghana. ISBN 9988-0-2430-4.
- Bani, R.J. (2004) Introduction to Post-harvest Losses In Bani R. J. (ed) (2004) Post-harvest Technology of Fruits and Vegetables-A training Manual Chapter 1 pp8-14 Department of Agricultural Engineering, University of Ghana, and Ministry of Food and Agriculture, Ghana. ISBN 9988-0-2430-4.
- Bani R. J. (2004) Storage of Fruits and Vegetables: In Bani R. J. (ed) (2004) Post-harvest Technology of Fruits and Vegetables-A training Manual Chapter 5 pp41-46 Department of Agricultural Engineering, University of Ghana, and Ministry of Food and Agriculture, Ghana. ISBN 9988-0-2430-4.
- Bani, R. J. (2004) Processing of Fruits and Vegetables: In Bani R. J. (ed) (2004) Post-harvest Technology of Fruits and Vegetables-A training Manual Chapter 5 pp113-121 Department of Agricultural Engineering, University of Ghana, and Ministry of Food and Agriculture, Ghana. SBN 9988-0-2430-4.

**Mahama, A. A.**

- Mahama, A. A. 2004. End of Assignment Report. Development of the Agriculture Programme of the University of the Gambia. (TCP/GAM/2905) (T)".
- Mahama, A. A 2004. A to Z of Driving. First edition. Accra pp 60.
- Mahama, A. A and Sulemana, M, 2004 Developing the Shea bean Rosters used in Northern Ghana. Post-harvest Forum, Vol. 4: 3–7. Publishers: Food and Energy Security Foundation, Ghana. ISSN 0855-6334.

**Josiah, M. N.**

- Josiah, M. N. and Bani, R. J. (2004) Agricultural Mechanization and Food Security in Ghana. Post-harvest Forum, Vol. 4: 11–15. (Publishers: Food and Energy Security Foundation, Ghana. ISSN 0855-6334).

- Bani, R.J., Josiah, M.N. and Kra, E.Y. (2004) Losses in Tomatoes in Transit Post-harvest Forum, Vol. 4: 3-7 (Publishers: Food and Energy Security Foundation, Ghana. ISSN 0855-6334).
- Josiah, M.N. (2004). Harvesting and Field Handling In R.J. Bani (ed), Post-harvest Technology of Fruits and Vegetables – A Training Manual. Chapter 4 pp 28-40 Department of Agricultural Engineering University of Ghana and Ministry of Food and Agriculture Ghana ISBN 9988-0-2430-4.

## **Conference Papers**

### **Mahama A. A.**

- Mahama, A. A.; Josiah, M.; Seidu, M.; Mensah, E. and E. Kra. 2004 Maintenance of Tractors in the Northern Region of Ghana. ((Paper presented at the 2nd International Conference on Agricultural Engineering, 20-24 Sept.) KNUST. Kumasi. Ghana.
- Josiah, N. M.; Bani R. J. and Mahama, A. A. 2004. Analysis of Uncertainty Associated with In-Situ Determination of Soil Infiltration Characteristics. (Paper presented at the 2nd International Conference on Agricultural Engineering, 20-24 Sept.) KNUST. Kumasi. Ghana.
- Seidu, J. M and Mahama, A. A. 2004 The Functional Capabilities of the Improved Narrow Cribs in Humid area of Ghana. (Paper presented at the 2nd International Conference on Agricultural Engineering, 20-24 Sept.) KNUST, Kumasi, Ghana.
- Seidu, J. M. and Mahama, A. A 2004. Preservation of Garden Eggs by the Method of Drying. (Paper presented at the 2nd International Conference on Agricultural Engineering, 20-24 Sept.) KNUST, Kumasi. Ghana.

### **Josiah, M. N.**

- Josiah, M.N.; Bani, R. J. and Mahama, A. A. (2004) Analysis of Uncertainty Associated with the Insitu Determination of Soil Infiltration Characteristics Paper presented at 2nd West African Society of Agricultural Engineering International conference on agricultural engineering, Kumasi, Ghana. September, 2004.
- Mahama, A. A.; Josiah, M. N.; Kra, E. Y. and Mensah, E. (2004) Maintenance of Tractors in the Northern Region of Ghana Paper presented at 2nd West African Society of Agricultural Engineering International conference on agricultural engineering, KNUST, Kumasi, Ghana. September, 2004.

### **Conferences/Seminars Attended**

- Mahama A. A. and Josiah M. N. attended the 2nd West African Society of Agricultural Engineering International Conference on agricultural engineering, KNUST, Kumasi, Ghana. 20-24 September, 2004.

### **Extension**

#### **Bani, R. J.**

- Chairman: National Post-harvest working group Agricultural Engineering Services Directorate, Ministry of Food and Agriculture, Accra.

- Member: National working group on Institutional Feeding, Women in Agriculture.
- Directorate, Ministry of Food and Agriculture, Accra
- Member: Amalgamated clubs, University of Ghana.
- Editor-in-chief: Post-harvest Forum a quarterly publication for post-harvest food security and poverty reduction.
- Designed and coordinated training programme on Post-harvest technology of Fruits and Vegetables for Post-harvest Officers of Ministry of Food and Agriculture July 2004.
- Designed curriculum in Post-harvest Technology for BTech program at Tamale Polytechnic July, 2004.
- Designing Soybean storage warehouse for Virgin Oil Bean Products at Adidome (on- going).

#### **Josiah, M. N.**

- Served on the Executive Committee of the Ghana Society of Agricultural.

## **AGRICULTURAL EXTENSION DEPARTMENT**

### **Overview**

The Agricultural Extension Department continues to emphasise Agricultural Extension, Rural Development and Poverty Alleviation, as the focus of its teaching, research and extension activities. The guiding perspective in all these has been an emphasis on bottom-up approaches to technology development and dissemination. In line with the above perspective a focus on appropriate mechanisms and organisational forms for enhancing equity in access to extension, appropriate technology, adaptive financial services, enhanced access to input and output markets, improved management of social amenities, increased critical awareness for human development have constituted aspects of the work in the department.

Our vision for the year under consideration, and the years ahead, is to evolve into a National Centre for Agricultural Extension and Rural Development Research and Documentation. To this end, efforts have been made to intensify the post-graduate programme and faculty research. Post-graduate students admission has increased from three students in 1993/94 academic year to between 8-10 from 1995 till now. Our greatest challenge with regards to our post-graduate work has been the absence of substantive lecture/seminar room for the post-graduate work. At the under-graduate level, the department still does not have an audio-visual laboratory for training students, no vehicles to convey students for field practical in extension work. There is an urgent need for provision of post-graduate lecture/seminar room, audio-visual laboratory and vehicles for field extension work.

The department has currently undertaken a restructuring of its courses programme to make it more relevant to the changing needs of agriculture and rural development in Ghana. In the current year, we are developing a Short Course Programme in the field of Extension and Rural development.

There were 6 full-time permanent lecturers instead of the required nine. One lecturer is on study leave at the University of Reading for his doctoral degree. Positions for four Research Fellows remain unfilled.

## **Courses**

The courses offered by the Department covered three levels - namely National Diploma, B.Sc. Agriculture, and Post-graduate levels (M.Phil. and Ph.D). At the B.Sc. and National Diploma levels, courses in Agricultural Extension and Rural Development continue to be core courses for all students.

## **Student Numbers**

PH.D:

Part II - 2

M.Phil:

Part I - 2

Part II - 4

Part III - 5 (Yet to present their M.Phil Thesis)

B.Sc. (Hon) Agriculture

Level 400 - 48

Level 300 - 23

Diploma In Agriculture

Diploma II - 78

The Diploma II class is going to be the last to be offered during the normal school term. The programme is to be offered as a sandwich programme during the long vacation period beginning in June 2005.

In addition, our courses continued to be taken by all under-graduate students of Department Of Home Science, and some students from other departments and or schools in the university.

Academic areas covered are Introduction to Extension, Extension Programme Development, Extension Methods, Communication in Extension, Rural Sociology, Rural Development, Comparative Extension Systems, Education and Training, Gender Planning & Development, Management and Organisation, and Practical Extension. Additional areas for the Post-Graduate level are Statistics for development, Micro-Finance & Micro-enterprise development, Theoretical Foundations of Extension and Research Methods.

## Staff

### Senior Members

Vacant (1)	Professor
Vacant (2)	Senior Lecturer
1. Dr. Felix Y.M. Fiadjoe	Lecturer (Head of Department)
2. Dr. Owuraku Sakyi-Dawson	Lecturer
3. Dr. Paschal B. Atengdem	Lecturer
4. Mr. Ernest E. Ackah-Nyamike Jr.	Lecturer
5. Mr. Seth D. Boateng	Lecturer (Study Leave)
6. Mr. Jonathan N. Anaglo	Lecturer
7. Vacant (2)	Lecturer
Vacant (4)	Research Fellows

### Senior Staff

Vacant (1)	Chief Administrative Assistant
1. Mr. James K. Madakena	Principal Administrative Assistant
2. Mr. Godfred B. Quarcoo	Senior Transport Officer

### Junior Staff

Vacant (1)	Clerk Grade II
1. Mrs. Beatrice Tawiah	Senior Typist
2. Mr. Frank Kumador	Messenger/Cleaner

## Research

### Fiadjoe, F. Y. M.

- Tracer study on Technology Development dissemination and Adoption by farmers.
- Agricultural Information flow mechanisms into the Agricultural Extension System and its dissemination to its Publics.
- The nature of work done by the frontline staff of MoFA Extension as the basis for in-service training programme.
- Translating Research Findings into Learning Experiences for Framers (On going).
- Influence on Extension Delivery of Extension Groups : Experiences from the Field.
- Lessons from Failed Introduced Agricultural Innovations in Ghana in the last 30 years. (On going).
- Indigenous Communication Flow patterns: Lessons for Extension Delivery.
- 1.P.B. Atengdem Effectiveness of Group Extension Methods In Ghana (On-going). (With J.N. Anaglo) Development Of The Small And Medium Scale Enterprise Sector Producing Cassava Based Products To Meet Emerging Urban Demand In Ghana.

### Sakyi-Dawson, O.

- Convergence of Sciences: Inclusive Technology Innovation Processes for Better Integrated Crop and Soil Management. (On- going).

- The Role and Capacity of GAWA in a Changing Policy Environment: A FAO/ ABANTU/University of Ghana Study.
- Enhancing Child Nutrition through Animal – Source Food Management : An Iowa State University/University of Ghana Collaboration.
- Studies on Uptake of Cowpea Fortified Maize Dough:
- Studies on Digital Convergence for Community Television.

#### **Anaglo, J. N.**

- Optimising the Impacts of Technological Change on the Livelihoods of Stakeholders in the Cassava Processing Industry.

### **Extension Activities**

#### **Fiadjoe, F.Y.M.**

- Implementation Completion Report: Fisheries Sub-Sector Capacity Building Project (FSCBP, IDA-CR271G+) June 24, 2002-11-21.

#### **Atengdem, P. B.**

- Evaluation and Programme Development for the Rural Integrated Literacy and Agricultural Development programme (RILADEP).
- Training of Trainers Workshop on Participatory Methodologies : MOFA/IFAD.
- PRA Review Training for staff of the Min. of Food & Agric. (MoFA) working in the Roots & Tuber Improvement Project (RTIP) of MoFA-IFAD.

#### **Sakyi-Dawson, O.**

- Working Group Meeting of the Convergence of Sciences Research Project, 19-30 April, 2004, Cotonou.
- International Workshop on Convergence of Sciences. 25-28 October, 2004, University of Ghana, Legon.

### **Publications**

#### **Atengdem, P. B.**

- Training Manual : Guidelines for Training Field Staff in PRA/PLA Training Manual: Guidelines for Training Fieldstaff in “Mainstream Gender in Programme Activities”:

#### **Sakyi-Dawson, O.**

- Nederlot, E. S.; Sakyi-Dawson, O. and P. Richards (In Press) Setting Agricultural Research Priorities : Experiences with Technographic Studies in Ghana. *Journal of The Ghana Science Association.*
- Sakyi-Dawson, O. and Osei (In Press) Farmer Field Schools and Adoption of IPM by Vegetable Farmers in Weija Irrigation Project. *Journal of the Ghana Science Association.*

#### **Anaglo, J. N.**

- Communication Skills: In Post- Harvest Technology of Fruits and Vegetables: A Training Manual (ed) Bani, R. J. (2004).

## **Conference, Seminar, Workshops/Symposia**

### **Fiadjoe, F. Y. M.**

- MoFA/CTA National Workshop on the Promotion of the Methodology for the Dissemination of Priority Information Themes. Accra 21st -25th June, 2004 Accra, Ghana.
- Dissemination of Agricultural Information Workshop. Organised by the Tsetse Control Unit in Collaboration with the International Centre for Research and Development on Livestock (CIRDES). Tamale Friday, 29th October, 2004.

### **Atengdem, P. B.**

- Workshop to Revise and Develop a Post-Harvest Curriculum for Ghanaian Institutions UNCF/ASUUGL/KNUST, Kumasi.
- USDA-Ghana Research Extension Workshop, Elmina.

### **Anaglo, J. N.**

- International Workshop on Development of Small Scale Enterprise Sector Producing Cassava based products to meet emerging urban demand in West Africa. March 23rd - 25th, 2004, Accra.
- Workshop on New Opportunities in Broadcast Media - A look to the Future, 9th December, 2004, Accra.

### **Sakyi Dawson, O.**

- 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi. 4-7th August, 2003.

## **DEPARTMENT OF ANIMAL SCIENCE**

### **Overview**

In the 2003/2004 academic year the Department of Animal Science continued to provide training to an ever-increasing number of students in addition to carrying out its other functions of research and extension. Large class sizes hampered the delivery of practical courses. Products from the Meat Laboratory continued to enjoy patronage from the University community while the Veterinary Clinic provided its usual services to animal owners in the University and its environs. Courses were offered at the following categories:

### **Undergraduate**

- Postgraduate
- National Diploma in General Agriculture
- National Diploma in Animal Health

M.Phil and Ph.D Programmes are available in all areas, namely, Animal Breeding, Meat Science and Technology, Microbiology and Immunology, Nutrition, Pasture and Range Management, and Physiology. During the year, graduate students were registered in Animal Breeding, Physiology and Microbiology and Immunology.

### **Student Numbers**

Level 100	-	190
Level 200	-	180
Level 300	-	76
Level 400	-	2
M.Phil	-	2
Ph.D	-	3
NDA 1(General)	-	31
NDH 1	-	4
NDA (G) II	-	36
NDH II	-	40
Total	-	564

### **Staffing Position**

- 1 Professor on contract
- 4 Associate Professors
- 2 Senior Lecturers
- 1 Lecturer (on Study Leave)
- 7 Part-time lecturers (including 5 from ARS-Legon)
- 6 Senior Staff
- 6 Junior Staff

In the course of the year, the Department sadly lost Prof. R.K.G. Assoku, the Professor on contract.

### **Research Projects/Extension**

#### **Aboagye, G.S.**

- Studies on the characterization and utilization of indigenous ruminant breeds (on-going).
- Factors affecting Djallonké lamb growth traits at the Ejura Sheep Breeding Station.

#### **Ahunu, B.K.**

- Factors affecting Djallonké lamb growth traits at the Ejura Sheep Breeding Station.

#### **Amaning-Kwarteng, K.**

- Sustainable dry-season feeding of Ruminants in Ghana: Use of Mucuna forage and Urea-ammoniated corn husk.
- Effect of processing on the trace elements composition and nutritive value

of feeds.

- Influence of cultural practices on yield and nutritive value of Pennisetum purpureum and Panicum maximum.
- Effect of dietary supplements on intake, growth and rumen parameters of sheep fed treated low quality roughages.
- Introduction of some dry season feeding strategies to farmers of the Mampong Valley Social Laboratory.

#### **Awotwi, E. K.**

- Periparturient behaviour of Djallonké Sheep and West African Dwarf Goats.
- The use of bovine colostrums as a source of immunoglobulin for small ruminants.

### **Publications**

#### **Aboagye, G. S.**

- (2003). Phenotypic and genetic parameters in cattle populations in Ghana. Case study No. 1.9. In: ILRI-SLU 2003, Animal Genetics Training Resource CD-ROM. Version 1. Mwai O. and Malmfors B. (eds). ILRI (International Livestock Research Institute), Nairobi, Kenya, and SLU (Swedish University of Agricultural Sciences), Uppsala, Sweden.

#### **Aboagye, G. S. and Baffour-Awuah, O.**

- (2003). On-going projects on the development and sustainable use of indigenous breeds in Ghana. Paper presented at Follow-up Workshop for Sub-Saharan Africa: ILRI/SLU Project on Capacity Building for Sustainable Use of Animal Genetic Resources in Developing Countries, ILRI, Addis Ababa, Ethiopia, 11-14 Nov. 2003.

#### **Aboagye, G. S., Boa-Amponsem, K., Okantah, S. A. and Ahunu, B. K.**

- 2003. The State of the World's Animal Genetic Resources: Ghana County report. A study commissioned by the FAO on behalf of the Ministry of Food and Agriculture. FAO/ SoW-AnGR. October, 2003. 66 pp.

#### **Ahunu, B. K., Osei-Amponsah, R., Osei, J. B., Aboagye, G. S. and Kissiedu, H.W.A.**

- (2003). Reasons for disposal in beef herds in Southern Ghana. Journal of the Ghana Science Association 5 (1): 95-101.

#### **Agbolosu, A. A., Ahunu, B.K. and Aboagye, G.S.**

- Factors affecting growth traits of Djallonke lambs at the Ejura sheep breeding station. Journal of the Ghana Science Association. (Submitted).

#### **Twumasi, K., Torgbor, H., Ofosu-Anim, J., Ahunu, B.K. and Ampadu-Mensah, C.**

- 2004. Expansion phase of the Ghana Special Programme on Food Security. Consultancy commissioned by the FAO on behalf of the Ministry of Food and Agriculture (MOFA) for the Government of Ghana. 2004. 116 pp (Confidential)

Report).

**Adjorlolo, L. K., K. Amaning-Kwarteng and F. K. Fianu.**

- (2004). Preference of sheep for three forms of Mucuna forage and effect of supplementation with Mucuna forage on the performance of sheep. *Tropical Animal Health and Production*, 36: 145-156.

**Amaning-Kwarteng, K., E. K. Awotwi, F. K. Fianu and L. K. Adjorlolo.**

- Intake, Digestibility and rumen dynamics in sheep fed urea ammoniated straw and supplemented with Leucena forage. *Journal of the Ghana Science Association*. (Submitted).

**Osei, D.Y., Osafo, E.K.L., Opong-Anane, K. and Awotwi, E. K.**

- Maternal behaviour of Djallonké ewes to handling of their lambs. *Ghanaian J. Anim. Sc.* (In press).

### **Workshops/Conferences**

**Aboagye, G. S.**

- Follow-up Workshop for Sub-Saharan Africa: ILRI/SLU Project on Capacity Building for sustainable Use of animal Genetic Resources in Developing Countries, ILRI, Addis Ababa, Ethiopia, 11-14 November, 2003.
- FAO/MOFA/University of Ghana: Roles of Agriculture Project. National Workshop, GIMPA, Accra, Ghana, 2-3 September, 2003.

**Ahunu, B. K.**

- Enhancing the use of Animal Source Foods in children's diet in Ghana. Workshop on Animal Source Foods held in February 16-17, 2004, Winneba, Ghana.

**Amaning-Kwarteng, K.**

- Stakeholders' Workshop on Curriculum Development for the Agricultural Training Institutions of MOFA. Sasakawa Centre, Cape Coast University, 28-30 July, 2004.

## **DEPARTMENT OF CROP SCIENCE**

### **Overview**

The basic functions of the Department, namely teaching, research and extension were carried out as in previous years. Teaching programmes were run for Doctorate, Masters, Bachelors and Diploma students. About 30% of the final year B.Sc. Agricultural students specialized in Crop Science. The post-graduate programmes continued to receive good patronage from both within and outside

Ghana. The Department, in collaboration with the Department of Zoology (Faculty of Science) continued to teach the M.Phil. Entomology course under the Insect Science Programme. The National Diploma in Post-harvest Technology (NDPHT) programme was also co-ordinated by the Department.

Academic staff in the Department participated in many collaborative research Programmes in the country and abroad. In addition, staff continued to carry out their individual research, some of which were with external collaborators.

In the area of extension, most members maintained their involvement in public works and activities, thus promoting the image of the University. Most members of the teaching staff also attended conferences to interact and present their research findings.

In spite of many efforts made, the problems of the Department continued to be:

- Inadequate space for staff and increasing student numbers.
- Inadequate tools and equipment.
- Unavailability of water in the University farm for student projects, other research activities and vegetable production.

## Courses

The Department offered courses at the Diploma, BSc., M.Phil and Ph.D levels in such areas as:

- (i) Microbiology, Entomology, Plant Pathology, Genetics, Plant Breeding, Statistics, Plant Physiology, Crop Production/Agronomy, Horticulture, Agroforestry. Molecular genetics, Post-harvest Technology Seed Science & Technology, Weed Science.

## Student Numbers

Diploma	-	43
Level 100	-	174
Level 200	-	166
Level 300	-	177
Level 400	-	39
M.Phil.	-	12
Ph.D	-	8
Total	-	619

## Staffing Position

The breakdown of Staff at post was:

### Head of Department

Professors

Associate Professors

### Prof. D. Obeng-Ofori

2

3

Senior Lecturers	5
Lecturers	3
Senior Staff	9
Junior Staff	19
Part-time Lecturers	2

Out of this number two lecturers were on study leave and two senior lecturers were on Sabbatical leave.

## Research

### Norman, J. C.

- Integrated nutrient management in sweet potato.
- Integrated nutrient management in sweet potato
- Preparation of a book on 'Tropical Floriculture'.
- The role of the landscape industry in sustainable environmental management.
- Soil improvement potential of some tropical legume cover Crops.
- Agronomic studies on tiger nuts.
- Growth, flowering and shelf life of flower crops as influenced by cultural practices.

### Ayertey, J. N.

- Continued with research on the Larger Grain Borer problem and its control in Africa.

### Oduro, K.A.

- Aetiology of diseases of crops especially citrus, cassava and tomato.
- Postharvest diseases of root and tuber crops especially Yam.
- Diseases of vegetables and ornamentals.

### Blay, E. T.

- Mutation breeding of cocoyam, breeding of tomatoes and other vegetable Crop germplasm characterization (rice, yams, pepper etc.).

### Obeng-Ofori, D.

- Biopesticides for the management of storage and field Pests of cereals, legumes, fruits and vegetables
- Post- harvest losses in durable stored products
- Integrated management of agricultural pests  
Resistance of pests to insecticides and biopesticides
- Integrated management of pests of cocoa, pawpaw, yardlong bean and vegetables. Genetic diversity and host range of Bemisia tabaci.

### Offei, S. K.

- Molecular analysis of sorghum accessions using microsattelites.
- Molecular characterization of yam genotypes.
- Development of molecular diagnostic probes for detecting plant Pathogens

and Plant – Pathogen interactions.

- Studies on post-harvest diseases of stored yams.
- Studies on the diversity management of sorghum by farmers in Ghana.

#### **Danquah, E.Y.**

- Morpho-agronomic and molecular diversity in irradiated and non irradiated cocoyam (*Xanthosoma sagittifolium*).
- Molecular diversity in cultivated white yams in Ghana Morpho-agronomic and molecular diversity in the genetic resources of Frafra potato (*Solenostemon rotundifolius*) in Ghana.
- Characterization of *Bemesia tabaci* (Gennadius) Homoptera: Aleyrodidae) biotypes associated with some selected crops in Southern Ghana.

#### **Ofosu-Anim, J.**

- Evaluation of Foliar fertilizers
- Evaluation of soil conditioners
- Farming systems

#### **Boateng, B.A.**

- Effects of environmental factors on efficacy of stored products protectants.
- Effects of *Jatropha* oil on stored products pests and beneficial insects.
- Post-harvest handling of stored produce.
- Post-harvest handling and processing of fruits.
- Evaluation of efficacy of insecticides on pests of vegetables.

#### **Cornelius, E.W.**

- Development of integrated protocols to safeguard the quality of fresh yams – a Dept. Crop. Sci/NRI project.
- Studies on tuber rots of white yam – experiments towards a Ph.D degree.
- Development of non-destructive methods of assessing the internal quality of yam tubers.
- Development of rapid destructive methods of assessing the internal quality of yam tubers.
- Optimization of temperature and humidity for curing of white yam tubers.
- Biochemical and physiological factors determining resistance of horticultural produce to post-harvest pathogens.
- Screening of some Ghanaian medicinal plants for their anti-fungal activity.
- Alternatives to methyl bromide in soil fumigation for the control of soilborne pests and diseases.
- Bioefficacy of fungicides imported into Ghana.

#### **Projects**

Academic members of the Department are actively involved in several major collaborative research projects among them are the following:

- National Root and Tuber Improvement Programme (RTIP).
- Yam Project with MOFA and NRI, UK.
- Post-harvest curriculum development Project with KNUST and Alcorn State

University, Mississippi, USA.

- Convergence of Sciences Project with University of Wageningen and University of Benin.
- AgSSIP Vegetable IPM Project
- AgSSIP Fruit crops programme
- AgSSIP Legumes programme under AgSSIP
- Carbon Sequestration Project with Department of Soil Science, Legon
- CERGIS Project
- Crop Science/IAEA Cocoyam Improvement Project
- Hydroponics Project
- EDIF/Crop Science Vegetable & Culinary Herbs Project

## **Conferences/Workshops/Seminars**

### **Norman, J. C.**

- 3rd Scientific Workshop organized by the Ghana Institute of Horticulturists on 10th September, 2003

### **Obeng-Ofori, D.**

- Distance learning in the University of Ghana. International Workshop on Distance Learning, University of London, London, UK.
- Efficacy of biopesticides for managing vegetable pests. 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi.
- Annual conference, Ghana Institute of Horticulture, CSIR, Accra.

### **Offei, S. K.**

- Ministerial Conference on “The exploitation of Science and Technology To Increase Agricultural productivity in Africa: Perspectives in West Africa, June 21-23, 2004.
- CORAF/WECARD Biotechnology & Biosafety Working Group Meeting Dakar, Senegal. 16 – 17 February, 2004.
- Third Annual Conference – USAID – African Partnership in Biotechnology, 17-19 November, 2003, IITA, Ibadan, Nigeria.
- Joint IITA/IFAD Emergency Workshop on the Pre-emptive management of the virulent form of the cassava mosaic disease in West and Central 9–10 October, 2003, Cameroon.

### **Boateng, B.A.**

- Tuskegee University /United States Department of Agriculture (USDA) Training Workshop on Advanced Risk Analysis and Modelling, 17th–30th August, 2003, Accra.
- GSB-MOFA-CCARD Grades and Standards for Market Access Stakeholders Workshop, on “*Standards – Tools for market access*”, 29th June, 2004.
- First National Stakeholders Workshop of GHANA/UNEP/GEF PDF B Project on “*Conservation and Management of Pollinators for Sustainable Agriculture through an Ecosystem Approach*”. 5th– 7th July, 2004, University of Cape Coast,

Cape Coast. Paper presented 'Managing Abundance and Diversity of Insect Pollinators Through the Ecosystem Approach: The Role of Crop Science Department. UG'

**Cornelius, E.W.**

- Use of farm lime in agriculture. Workshop organized by NRI and the Ghana Chamber of Mines in Accra on 6th February, 2004.

**Publications**

**Norman, J.C.**

- Tropical Floriculture (in press)
- A diagnostic survey of floricultural nurseries in Accra. Ghana J. Hort. (In Press).

**Obeng-Ofori, D.**

- Obeng-Ofori, D. and Sackey, J., 2003. Field evaluation of non-synthetic insecticides for the management of insect pests of okra *Abelmoschus esculentus* (L.) Moench in Ghana. *SINET Ethiopian Journal of Science* 26 (2), 145-150.
- Obeng-Ofori, D., 2003. Post-harvest handling of maize in Developing countries. Post-harvest Forum 1, 8-13.
- Obeng-Ofori, D., 2003. Effectiveness of vegetable oils in enhancing the activity of essential oil constituents of *Ocimum* plants for the protection of stored grains against insect infestation. *Ghana Journal of Science* 3 (2), 125-132.
- Obeng-Ofori, D., 2003. Rodents: Losses and management in durable farm produce in the tropics. Post-harvest Forum 2, 3-11.
- Obeng-Ofori, D., 2003. Quelea and other bird pests: Losses and management in durable farm produce and urban environments. Post-harvest Forum 3, 3-13.
- Asante, E.O., Obeng-Ofori, D., Egyir, I. and Taabazuing, J., 2003 Beneficiary assessment of the Root and Tuber Improvement Programme (RTIP). Ministry of Food and Agriculture (MOFA), 47pp.
- Obeng-Ofori, D., 2004. Inert dusts as a physical control option for protection of durable stored products against pest infestation in sub-saharan Africa. Postharvest Forum 4, 8-10.

**Offei, S. K**

- S.K. Offei, I. K. Asante & E. Y. Danquah (2003). Variation in size, protein cyanide and tannin contents of lima bean (*Phaseolus lunatus*). *Tropical Science* 43: 132-134.
- E. Y. Danquah, S. K. Offei, E. T. Blay & I.K. Asante (2003). Genetic polymorphism among accessions of cocoyams (*Xanthosoma sagittifolium* L. Schott) from Eastern and Volta Regions of Ghana. *Ghana Journal of Horticulture* 1, 1-10.

- S. K. Offei, I. K. Asante & E. Y. Danquah. (2003) Genetic structure of seventy cocoyam (*Xanthosoma sagittifolium*, Linn, Schott) accessions based on RAPD. *Hereditas* 140, 123–128.
- E. W. Cornelius, S. K. Offei & K. A. Oduro (2003). The impact of Tuber rots on the post-harvest exploitation of white yam (*Dioscorea rotundata*) by retailers and exporters in Ghana. *Ghana Journal of Horticulture* 2, 106–112.
- S.K. Offei, N. Arciniegas, G. Müller M. Guzmán, L.F. Salazar, & R.H.A. Coutts (2004). Molecular variation of Potato yellow mosaic virus isolates. *Archives of Virology* 149 (4), 821–827.
- J. Hughes, S. Offei & B. Ronellenfitch (2004). (Book) *Plant Viruses in Sub-Saharan Africa. Practical Laboratory Manual*. International Institute of Tropical Agriculture, Publication. 115pp.

### **Danquah, E. Y.**

- Offei, S.K., Asante, I.K. and Danquah, E.Y. (2004). Genetic structure of seventy cocoyam (*Xanthosoma sagittifolium*, Linn, Schott) accessions in Ghana based on RAPD. *Hereditas* 140: 123–128.
- Danquah, E. Y., Offei, S. K. Blay, E. T. and Asante, I. K. (2003). Genetic polymorphism in accessions of cocoyam (*Xanthosoma sagittifolium* L.Schott) from Eastern and Volta Regions of Ghana. *Ghana Journal of Horticulture* 2: 1–10.
- Offei, S.K., Asante, I.K. and Danquah, E. Y. (2003). Variation in seed size, protein, hydrogen cyanide and tannin content of lima bean (*Phaseolus lunatus*). *Tropical Science* 43, 132–134.

### **Ofosu-Anim, J. S. K. Offei and I. O. Bimpeh**

- 2004. Identification of endogenous sources of gibberellic acid for horticultural crops (*Ghana Journal of Horticulture*, In Press)

### **Cornelius, E. W.**

- NRI Final Technical Report R7582 (ZB 0234) 2004. Development of integrated protocols to safeguard the quality of fresh yams. (Contributor).

### **Danquah, E. Y., Obeng-Ofori, D., Offei, S. K., Ofosu-Anim, J. and Cornelius, E. W.**

- JSS Agriculture, Books 1, 2, 3 and Teachers Guide 1, 2, and 3. Smartline Publishers, Accra. (in press).
- Aboagye-Nuamah, F., Offei, S.K., Cornelius, E.W and Bancroft, R.D. Severity of pathogenic storage rots of white yam (*Dioscorea rotundata* Poir). (Submitted to *Journal of Applied Biology*).
- Cornelius, E.W., Assuah, M.K and Arthur, R. Preliminary screening of crude extracts from some medicinal plants used in Ghana for their antifungal activity (submitted to *Ghana Journal of Horticulture*).

### **Benefaction**

EDIF US\$84,500.00

## DEPARTMENT OF HOME SCIENCE

### Overview

The basic functions of the Department, namely teaching, research and extension, were carried out as in previous years. The staffing situation remained the same, with no new lecturers being employed. However, three of our former graduate students have applied to join the Department. Their applications are being processed and we hope that they would join the Department soon.

Student numbers continued to increase in the year under review. Lack of a Departmental vehicle, however, continued to make arrangements for fieldwork very difficult and time consuming. The Department therefore as a matter of urgency requires a vehicle to make its extension work easier. The Department also needs bigger laboratories to make practical sessions more comfortable for the increasing number of students enrolled.

The Department is in the process of restructuring some of its courses to make the programme more relevant to the changing needs of families and the development needs of our country. It is hoped that the Department would soon be changed into a school to meet the aspirations of both students and staff.

### Courses

Courses were offered for the following programmes:

1. M.Phil in Home Science - 2 year programme
2. B.Sc. in Home Science - 3-4 year programme
3. BA with Home Science - 3-4 year programme
4. National Diploma in Home Science - 2 year programme

Sixty-one (61) courses were taught covering areas in Food and Nutrition, Textiles and Clothing, Family Resource Management, Family Housing, Human Development and Child Studies, Consumer Studies and Home Science Extension. Elective courses offered were taken by a number of students including students from other departments.

### Student Numbers

Postgraduate

M.Phil Part II	-	3
M.Phil Part I	-	5

### Undergraduate

Level 100	-	114
Level 200	-	45
Level 300	-	39

Level	400	-	21
<b>Diploma</b>			
Year II		-	24
Total		-	251

No fresh Diploma students were enrolled because the programme is going to be offered during the long vacation period.

### **Staffing Position**

There were 9 full-time lecturers and 1 part-time tutor at post. The staffing position was as follows:

Associate Professors	-	2
Senior Lecturers	-	4 (One on contract)
Lecturers	-	3
Part-Time Tutor	-	1

### **Senior and Junior Staff**

Chief Technician	-	1
Principal Administrative Asst.	-	1
Senior Departmental Asst.	-	1
Typist Grade I	-	2
Messenger/Cleaner	-	4
Nursery Attendant	-	1
Library Asst. Gd. II	-	1

### **Research Activities**

#### **Nti, Christina Antwiwaa**

- Assessment of the role of care in positive and negative deviance in child nutrition.
- Dissemination of Improved Bambara Processing Technologies in the Northern Region of Ghana.
- Lifestyle Nutritional survey of Krachi, Sekyere East, West Gonja and Yendi Districts of Ghana.

#### **Fianu, Docea A. G.**

- University of Ghana female workers perception of Ready-To-Wear Garments produced by Ghanaian Fashion manufactures.
- Perceived and Preferred Body sizes by Ghanaian Female Students at the University of Ghana, Legon. Accra.
- Garment production and Exportation by Ghanaian Fashion producers under AGOA: The Challenges.

#### **Opare-Obisaw, Clara**

- Incidence of obesity among adolescents and young adults.

#### **Hevi-Yiboe, Laetitia A. P.**

- Housework performance by men/women in the Ho District.

- Time concept and use by rural women in the Ho district, Volta Region.
- Attitude of men/women towards Tegbeworor (Puberty rites) in Dodome.

#### **Danquah, Angelina**

- A comparative study investigating the use of monosodium glutamate and the awareness of its dangers in meal preparation in Sakumono Estate and Sakumono Village.

#### **Gadegbeku, Cynthia**

- Effect of use of outdoor space on the surroundings at Legon Staff Village.
- Cowpea Fortified maize dough uptake studies (with CRSP/Bean Cowpea Project, University of Ghana, Legon).

#### **Ayertey Augusta Adoley**

- The effect of chemical treatment to colour fastness and tensile strength on Ghanaian wax prints Drafting and adaptation in clothing.

### **Publications**

#### **Nti, Christina A.**

- Nti C. A. and Larweh, P. M. (2003). Production and sensory characteristics of favoured soymilk samples *Int. Consumer Studies* 27 (2): 181–184.

#### **Fianu, Docea A.G.**

- Fianu, Docea A. G. and Ofori Ida (2003) Awareness of Environmental Impact of Plastic Bags/Sachets: A case study of Legon Staff Village, Accra. *Journal of Asian Regional Association of Home Economics*: 10(3) 139–144.
- Fianu, D. A. G. Owusu-Benoah J., Aryertey A. A., Ba-ama E. and Gadegbeku C. (2004). Knowledge, Attitude and Practice of Family Planning Among Moslem Women: A case study of Madina Zongo, Accra. *ARAHE*. 11(1). 6–11.
- Fianu, Docea A. G., Sallah, R.A. and Ayertey, Augusta (2004). The Effect of Sunlight and Drying Methods on the Strength of Ghanaian Real Wax Printed Fabrics” *International Journal of Consumer Studies*, UK. (In Press).

#### **Opare-Obisaw, Clara**

- C. Opare-Obisaw, *et al.* (2004). Sensory Characteristics of Fufu prepared with cassava roots (*Manihot esculenta*, Crantz) stored in polyethelene sacks. *International Journal of Consumer Studies*. Vol. 28, No. 1, pp 14–17.

#### **Hevi-Yiboe, Laetitia**

- Hevi-Yiboe, L and Opare-Obisaw, C. (2004). Food Product Development from *Pachira Aquatica* *Journal of Gh. Sc. Ass.* Vol.6 No. 1 361–364.
- Hevi-Yiboe, Laetitia A. P. (2003). Family Resources and Reproductive Health of Girls: A focus on money and Tugbewowo Puberty rites among the Dodome Ewes. *Research Review* 19 (1): 79–90.
- Hevi-Yiboe, Laetitia and Aglobitse, Doris. (2004). Women, men and housework in Ghana. *Journal of Asian Regional Association of Home Economics* (In

Press).

### **Gadegbeku, Cynthia**

- Fianu, D. A. G. Owusu-Benoah J., Aryertey A. A., Ba-ama E. and Gadegbeku C. (2004). Knowledge, Attitude and Practice of Family Planning Among Moslem Women: A case study of Madina Zongo, Accra. ARAHE. 11(1): 6-11.

### **Ba-ama, M. Elizabeth**

- Fianu, D. A. G. Owusu-Benoah J., Aryertey A. A., Ba-ama E. and Gadegbeku C. (2004). Knowledge, Attitude and Practice of Family Planning Among Moslem Women: A case study of Madina Zongo, Accra. ARAHE. 11(1): 6-11.

### **Ayertey, Augusta Adoley**

- Fianu, D. A. G. Owusu-Benoah J., Aryertey A. A., Ba-ama E. and Gadegbeku C. (2004). Knowledge, Attitude and Practice of Family Planning Among Moslem Women: A case study of Madina Zongo, Accra. ARAHE. 11(1): 6-11.

## **Extension Activities**

### **Nti, Christina A.**

- Organized a training of trainers workshop for MOFA Extension workers on diversified food uses of improved bambara flour at Tamale, 25-27th February, 2004.

### **Fianu, Docea A.G..**

- External Examiner, Dept. of VOC/TECH Education, University of Cape Coast, Cape Coast.
- External Examiner, Dept. of Home Economics, University College of Education, Winneba.
- Member, Committee to plan courses for the Directorate of Sports, Legon.
- Member, Committee to draw up a compulsory course for Entrepreneurship Development, Legon.
- Member, Committee to plan enough water supply to Legon campus.
- Senior Tutor, Volta Hall
- Member, Ghana Standards Board Technical Committee for Textiles and Clothing.
- Editorial Board Member, International Journal of Consumer Studies (UK)
- Board Member, Kadjebi-Asato Secondary School.
- Member of Board of Directors, Ghana Supply Company Ltd.
- Board Member, National Sports Council.
- Member, Committee to plan the celebration of 100 years of Football in Ghana.
- Member, Committee to select National Friday wear for Ghana
- Gave a talk on "Discipline Among Female University Students: Past and Present" on Radio Unvers. Programme was organized by Students Representative Council (SRC) Women's Wing. March, 2004.
- Speaker and Resource Person for Methodist Presbyterian Students' Union (MPU), Legon. (Ladies Wing-Daughter of Zion). Paper Read: "Hair Sense". March, 2004.
- Speaker at Apostolic Women's Conference at Sowutuom. Paper Read: "You

are what you eat". June, 2004.

- Chairperson, Christian Professionals' Fellowship Seminar on "The Medical State of the Holy Matrimony Estate" at La Palm Royal Beach Hotel. Paper Read: 'Chairman's Address and Remarks'. June, 2004.
- Gave a lecture on: "Entry Requirements to Legon and Career Opportunities in Home Science" to Chemu SS3 students at Tema during their career guidance and counselling week. May, 2004.

### **Opare-Obisaw, Clara**

- Attended a day's Workshop for Ghana Home Economics Association's Text Book Writing Group at GIMPA. – 29th October, 2003.
- Chaired Volta Hall JCR Awards Night – 7th November, 2003.
- Attended University of Ghana Alumni Association Annual General Meeting and Sod-Cutting Ceremony for Phase II of Jubilee Hall Building Project – 15th November, 2003.
- Attended Opening Ceremony of HACCP PROJECT Conference on Food Safety Management in Ghana for Regional Integration – 2nd December, 2003.
- Chaired a Seminar on "Sexually Transmitted Infections: Fact or Fiction on University of Ghana Campus" during Volta Hall Week celebration – 17th March, 2004.
- Gave a Talk to HOSSA members on "The Home Scientist — A Role Model" during the Association's Annual Celebration Week – 23rd March, 2004.
- Visited Computer Laboratory Facilities and library of Lehigh University (USA) – 25th May, 2004.
- Attended several meetings of Heads of Halls, Senior Tutors, and Bursars to plan for accommodation in the Halls for delegates of the World Alliance of Reformed Churches International Conference in Ghana in July/August 2004 – October, 2003 to July, 2004.
- Attended the Opening Ceremony of the World Alliance of Reformed Churches International Conference in Accra – 30th July, 2004.
- Attended a three-day residential Workshop to develop a Menu Guide for Institutional Feeding in Ghana – 5th to 7th August, 2004.
- Attended the monthly Volta Hall Alumni Association meetings October 2003 to March, 2004.

### **Hevi-Yiboe, Laetitia**

- Organized a workshop on acquiring income generation skill for rural women from the Ho District of the Volta Region.
- Formed women's groups in 13 traditional areas in the Ho Districts and worked with them to establish small businesses to earn money to help their families.
- Very active at church as a family counselor and a member and past president of the St. Vincent Society.

### **Gadegbeku, Cynthia**

- Attended proposal development and Project Management Workshop organized by GTZ in Accra, 7th–11th of April, 2003.
- Attended 1st Ghana-Togo Cross Border HIV/AIDS Response Workshop organized by GTZ Regional AIDS Program for Africa in Aflao, 17th–19th June,

2003.

- Attended a workshop organized by Ghana Private Public Partnership Food Liability Development Project: National Consensus and Strategic Meeting on Mango and Papaya in Accra, 15th October, 2003.
- Attended the Carnegie Projects Training Program to enhance teaching and Research activities at University of Ghana, Legon, 6th–7th November, 2003.
- Resource Person for Training of Trainers in Production of High Protein Foods at a workshop organized by Ghana, Private Public Partnership Food Industry Development Program (MSU/PFID – F & V), 15th–17th June, 2004.
- Extension works at Amanfro in the Ga District.

#### **Ba-ama M. Elizabeth**

- Patron for Home Science Students Association (HOSSA).

#### **Ayertey Augusta Adoley**

- Designing in Clothing
- Testing of Ghanaian wax prints
- Reading.

#### **Benefaction**

The Department received two computers (One Dell Computer and One Hewlett Packard Computer) from Central Connecticut State University through the efforts of Dr. Mate Korle. Another Dell Computer was also received from GETFund. The Department is extremely grateful to its benefactors.

## **DEPARTMENT OF SOIL SCIENCE**

#### **Overview**

The Soil Science Department's activities during the year under review involved teaching, conducting research and extension. Scientific research is centered on problems relating to degradation, productivity and maintenance of soil quality to ensure sustainable agricultural production. The Department offers courses at both undergraduate and graduate levels. At both levels the courses have been restructured to include current environment-related issues. The National Diploma of Agriculture (NDA) is gradually being phased out of the normal academic year programmes and will be run during the inter semester holidays. The vision of the Department continued to be "Nurturing a top class Department that would produce Soil Scientists with cutting edge scientific skills and knowledge to provide

expertise in both agricultural and non agricultural areas”.

### **Courses Offered**

Courses offered at the BSc, M.Phil., and Ph.D levels include Soil Physics, Soil Chemistry, Soil Microbiology, Soil Biochemistry, Soil Genesis and Classification and Soil Fertility. Newly restructured courses taught at the undergraduate levels include, Management of Soil Environment; Soil Degradation and Rehabilitation, Environmental Soil Chemistry, Soil Environmental Physics, Introduction to Paleopedology, Introduction to Agricultural Systems Analyses and Simulation, Isotopes in Environmental and Industrial Research and Introduction to Bioremediation of contaminated soils. For the Graduate Level, the courses taught include Research methods, Instrumentation and Methods of Soil /Plant Analysis, Soil and Water Conservation, Agricultural Systems Simulation and Modeling, Soil Pollution and Remediation, Soil Atmosphere and Global Climate Change.

### **Student Numbers**

Student enrolment in the various courses was as follows

Ph.D	-	3
M.Phil. II	-	2
M.Phil. I	-	2
Level 400 (BSc. Final Year)	-	12
Level 300 (B.Sc Second Year)	-	165
Level 200 (B.Sc. First Year)	-	162
Level 100 (BSc First Year)	-	235
NDA II	-	3
<b>Total</b>	-	<b>584</b>

### **Staffing Position**

The number of Senior Members currently at post is eight. Professor G.N.N. Dowuona continued to be on Sabbatical Leave. The current staff strength is as follows:

M.K. Abekoe	Senior lecturer/Head of Department
*K.B. Laryea	Professor
S.K.A. Danso	Professor
*J.K. Amatekpor	Associate Professor
S.G.K. Adiku	Associate Professor
**G.N.N. Dowuona	Associate Professor
S. Asuming-Brempong	Senior Research Fellow
T.A. Adjadeh	Lecturer
E.K. Nartey	Lecturer

\*On contract

\*\*On sabbatical leave

### **Administrative Staff**

Ms C. Agbezudor	Principal Administrative Assistant
**Ms N.A. Larsey	Senior Administrative Assistant
Miss A. Alorbi	Clerk Grade II

\*Miss J.A. Darku  
Mr. Enoch Atendana  
Mr. C.K. Asagba  
Mr. Ephraim Agbonu

Typist Grade 1  
Library Assistant III  
Assistant Transport Officer  
Messenger/Cleaner

### **Technical Staff**

Mr. J. Natenor	Senior Technician
Mr. B. Anipa	Chief Technician (adjunct with VBRP)
Mr. C. Adu	Technician
Mr. V. Adusei	Technician
Mr. M. Aggrey	Technician
Mr. D. Nkansah	Technician
Mr. D. Tsatsu	Technician
Mr. E. Anum	Assistant Technician
Mr. R. Adjei	Groundsman

\* On secondment

\*\* Completed study leave, seconded to another Department

### **Research/Project**

#### **Abekoe, M.K.**

- Integrated plant nutrient management using organic residue to enhance the release of phosphorus from phosphate rocks.
- Soil organic matter quality and quantity for sustainable agricultural production.

#### **Adiku, S.G..K.**

- US-Israel-Univ. of Ghana project "Increasing the Water Use Efficiency and Crop Yield Under Saline Conditions using Low-Pressure Drip Irrigation and Meteorological data".
- Measuring and Assessing Soil Carbon Sequestration by Agricultural Systems in Developing Countries. (Joint project with University of Florida, U.S.A).

#### **Adjadeh, T.A.**

- Characterization of soils under woodlot

#### **Nartey, E.K.**

- Characterization and use of compost from Teshie Compost
- Studies on Pedo-transfer functions

#### **Asuming-Brempong, S.**

- Carbon and nitrogen mineralization studies in saline and non saline soils
- Community structure of autotrophic ammonia oxidizers in saline soil

#### **Danso, S.K.A.**

- Ecology of rhizobia in Ghanaian soils
- Nodulation and nitrogen fixation of important grain, pasture and tree legumes

in Ghanaian soils.

- Reclamation of degraded soils.

#### **Amatekpor, J. K.**

- Management of acid soils in the Lower Volta Basin.
- Survey of unmapped areas in the Afram Plains.

#### **Laryea, K. B.**

- Spatial variability in soil physical properties
- Water and solute movement in soils on the Accra Plains.

### **Publications**

#### **Adiku, S. G. K.**

- Adiku, S. G. K., G. Osei, T. A. Adjadeh and G. N. Dowuona (2004). Simplifying the analysis of soil particle sizes. I. Test of the Sur and Kuka,'s modified hydrometer method. *Comm. Soil Sci. and Plant Anal.*, 35:1995–2003.
- Kumaga, F.K., S.G.K. Adiku and K. Ofori (2003). Effect of post-flowering water stress on dry matter and yield of three tropical grain legumes. *Int. J. Agri, Biol.* 5:405–407.
- Yangyouru, M, Kawachi, K., Unami, K., Adiku, S. G. K., Mawunya, F. and Quashie, S. (2003). Comparison of rainfed and potential yields of maize and cowpea on the vertisols of Ghana. *J. of Rainwater Catchment Systems*, 9:7–12.
- Adiku, S. G. K., (2003) Water Uptake by Plant Roots. In: B.A. Stewart and T. Howell (eds.), *Encyclopedia of Water Science*. Pub. Marcel Dekker Inc. N.Y, U.S.A.
- Adiku, S. G. K. (2003) Uptake by Plant Roots: Modeling Water Extraction. In: B. A. Stewart and T. Howell (eds.) *Encyclopedia of Water Science*, First Edition Pub. Marcel Dekker Inc. N.Y., U.S.A.

#### **Adjadeh, T. A.**

- Adiku, S. G. K., G.Osei, T. A. Adjadeh and G. N. Dowuona (2004). Simplifying the analysis of soil particle sizes. I. Test of the Sur and Kuka,'s modified hydrometer method. *Comm. Soil Sci. and Plant Anal.*, 35:1995-2003.

### **Conferences/Workshops/Seminars Attended**

#### **Abekoe, M.K.**

- International workshop on Convergence of Science held in Cotonou, Benin. 26th-30th April, 2004.
- West Africa's savannah under change; Sensitivity of the savannah's to population changes, cultivation changes and climate changes. A workshop held in Bobo- AGRI.

# AGRICULTURAL RESEARCH STATION (ARS) – KADE

## Overview

The Station has been reconstituted into a Center under the Institute of Agricultural Research of the newly established College of Agriculture and Consumer Sciences. Current research activities focus on the following crops; Citrus (52.2 ha), citrus museum (6.4 ha), rubber (63.6 ha), rubber bud wood garden (1 ha), cola (6.8 ha), cocoa (45.96 ha), oil palm (24.4 ha), mango (5.16 ha), rice, vegetables, plantain, cocoyam, spices, rambutan, avocado pear. The Center also processes its palm fruit into palm oil on small-scale. It taps its rubber into rubber sheets and also has a rice mill, which helps farmers add value to their produce in the Kwaebibirem District.

Tuition is also provided to agricultural students of the country's Universities, Agricultural Extension Agents of MOFA, and NGOs, such as the LEVENTIS, ADRA, FORUM, and WAPLEC. Modules have been designed to take care of technical know-how and entrepreneurship.

## Staff Number and Staffing Position

### Senior Members

Prof. K. Afreh-Nuamah	Associate Professor and Head of Station
Prof. F. K. Fianu	Associate Professor (On Contract)
Dr. J. K. Osei	Senior Research Officer
Mr. E. K. S. Ahiekpor	Senior Research Officer (On Contract)
Dr. K. G. Ofosu-Budu	Senior Research Officer
Dr. G. K. Hotsonyame	Senior Research Officer
Dr. G. Oduro Nkansah	Research Officer
Mr. F. C. Brentu	Research Officer

### Senior and Junior Staff

16 Senior Staff  
156 Junior Staff

### Afreh-Nuamah, K.

Head of Centre, was appointed to chair the Committee for establishment of College of Agriculture and Consumer Sciences. He also chaired the Implementation Committee for the establishment of the College.

### Oduro-Nkansah, G.

Research Officer was promoted to the Senior Research Officer grade with effect

from June 1, 2003.

Two (2) Senior Research Assistants proceeded on Study Leave for M.Phil. programmes as follows:

- Mr. Amos Quaye - M.Phil. Environmental Science - University of New York.
- Mr. Lemuel Minta - M.Phil. 2-year Agronomy - Kyung Pook National Univ. in Korea.

Senior Members of the Center continued to offer lectures at Crop the Science Department of the University.

## **Research/Projects**

### **Specific Research Interest**

#### **Afreh-Nuamah, K.**

- Use of Soil Amendment Practices in the Management of Insect Pests of Crops (Both Field and Plantation Crops).
- Use of Neem as an Environmentally Friendly Insecticide.
- Improved Pesticide Application Techniques.

#### **Ofosu-Budu, K. G.**

- Citrus Rootstock/Scion Interrelationships.
- Post-Harvest Studies on Citrus Fruits.
- Bioconversion of Organic Waste for Agricultural Production.

#### **Hotsonyame, G.K.**

- Improvement of the Reduced Fallow System for Sustainable Food Crop Production.
- Integration of Plantain with Leguminous Species for Sustainable Plantain Production System.

#### **Osei, J.K.**

- Establishment of Delivery System for IITA-Bred and Local Plantain Cultivars (Supported by Gatsby, A British Non-Governmental Organization).
- The Use of Micro Propagation to Improve Cocoyam Production (Supported by AgSSIP).

#### **Oduro, N. G.**

- Effect of Different Fertilizer Rates on Growth, Yield, and Fruit Quality of Mango.
- Evaluation of Different Pepper lines for their Morphological and Yield Characteristics.
- Effect of Carbonated Rice Husk on Growth and Yield of Onion and Carrots.
- Effect of Grafting on Tomato Improvement.
- Effect of Foliar Nutrition on Growth, Yield and Fruit Quality of Some Vegetables.
- Breeding for Heat Tolerance in Tomatoes in Ghana.

#### **Brentu, F.C.**

- The Use of Organic Manure to Control Plantain Nematodes.

- Study of Some Important Diseases of Citrus and the Development of Sustainable Control Measures.

## **Extension Activities**

### **Ofosu-Budu, G. K.**

- Agronomic and Post-Harvest Training in Rice for Farmers in Kwaebibirem, Birim North and South Districts.
- Training Farmers in Agronomic and Post-Harvest Practices in Citrus.
- Resource Person in Citrus for Workshop for Members of Citrus Growers and Marketing Association of Ghana.
- Member, MOFA/AgSSIP Oversight Committee on Tree Crop.
- Member, MOFA/AgSSIP Oversight Committee on Vegetables.

### **Afreh-Nuamah, K.**

- Resource Person/Facilitator in the Training of Extension Officers and Farmers in the Integrated Production and Pest Management, Farmers' Field School (IPPM/FFS).
- Ex-officio Member, National IPM Oversight Committee.

### **Osei, J.K.**

- Zonal Coordinator for MOFA on Root and Tuber Improvement Programme.
- Member, Valley View University Board.
- Member, ADRA-Ghana Board.

### **Hotsonyame, G..K.**

- Training of Farmers and Students in Technologies in Plantain Production.
- Represent Center of E/R Research-Extension Legon Committee.

## **Commercial Activities**

### **PSI - Oil Palm Nursery**

The Center has been selected as a nursery site to produce 100,000 Oil Palm Seedlings annually under the Presidential Initiative on Oil Palm. The areas of support include the Development of a 6ha Nursery Land, Drip Irrigation Equipment and Installation, Borehole Construction, and expenditure on Consumables and Operational costs. The total amount of money involved comes to about One Billion Cedis.

### **EDIF – Production of Planting Materials (Black Pepper, Mangoes and New Breed of Banana) to Support the Export Market**

A total amount of Eight-Hundred and Sixty-Three Million cedis (¢863,000,000.00) has been approved by EDIF to support the production of 100,000 Mango seedlings, 50,000 Black Pepper and some Banana. The specified areas of support included the purchase of capital assets (1 Nissan Double Carbin Pick Up, 1 Belarus Tractor plus its accessories, 1 Irrigation pumping Set (Sprinkler) and accessories) and some consumables.

## **Publications**

### **Ofosu-Budu, K.G.**

- Performance of Citrus Rootstocks in the Forest Zone of Ghana. *Ghana Journal of Horticulture* (Accepted).

### **K. G. Ofosu-Budu, Amos Quaye, and S. K. A. Danso**

- Effect of Phospho-compost on Yield and Fruit Quality of a Heat-Tolerant Tomato. *Ghana Journal of Horticulture* (Accepted).

### **K. G. Ofosu-Budu and Amos Quaye**

- Response of Tomato to Different Compost Amendment. *West Africa Journal of applied Ecology*. (Accepted).

### **Dimkpa, S. O. N., S. O. Appiah, K. Afreh-Nuamah, and G. K. Yawson**

- Determination of the Susceptibility of Some *Elaeis guineensis* Progenies to *Coelaenomenodera lameensis* Berti and Mariau, (Coleoptera: Chrysomelidae) in Ghana. (In Preparation for Publication).
- The Effect of Some *Elaeis guineensis* Progenies on the Duration of Development of Different Developmental Stages of *Coelaenomenodera lameensis* Berti and Mariau, (Coleoptera: Chrysomelidae) in Ghana. (In Preparation for Publication).

### **Osei, J. K.**

- Rapid Field Multiplication of Cocoyam and the Yield of Micosett and Megasett Derived Cocoyam Planting Materials. *Ghana Journal of Horticulture*. Vol. 4
- Root and Shoots Growth of Auxin Treated 'ApeM' Plantain. *Ghana Journal of Horticulture*. Vol. 4.

## **Conferences/Seminars/Workshops**

### **Afreh-Nuamah, K.**

- Participant; Launching of Plant Resources of Tropical Africa (PROTA) Ghana Node. Forest Research Institute of Ghana (FORIG) of the CSIR, September, 2004.
- Team Leader; Needs Assessment for Removing Barriers to Invasive Plant Management in Africa. CSIR Workshop, Accra. April, 2004.

## **AGRICULTURAL RESEARCH STATION (ARS) – KPONG**

### **Overview**

The major areas of research and production during the period have been rice, industrial sugar cane, cowpea and cattle rearing. In line with the Station's vision, crops of high economic potential e.g. vegetables and legumes (chili pepper, onions, tomato, okro and soyabean) have been introduced. Also introduced are crops that

need to be researched on so as to meet the extension requirements of farmers growing them in the environs of the Station and beyond, e.g. mangoes, cashew and local sugar cane. Plantations of mango, cashew and local sugar cane are being planted while grafted mango seedlings are produced for sale to farmers. In the livestock section, sheep rearing has been added to cattle and preparations are underway to go into pig production. The packaging of rice produced on the Station has been improved in order to penetrate the rice market.

The Export Development and Investment fund (EDIF) of the Ministry of Trade is supporting mango seedling and pepper seed production on the Station with a grant of eight hundred million cedis (¢ 800,000,000.00), that was used in purchasing a tractor with implements, a pickup vehicle, drip irrigation set and agricultural chemicals.

In collaboration with the Forum for Agricultural Research in Africa (FARA), the Station grew the New Rice for Africa (NERICA) for field observation during the International Year of Rice celebration, which took place in Accra from 28th to 30th September, 2004. For the field trip, the Station hosted about 100 national and international scientists on 1st October, 2004. Seed from the crop harvested is being used for further research on the crop. The dam construction under the collaborative studies on rainwater harvesting between the University of Ghana and Kyoto University, Japan, has been completed and the construction phase of the project will officially be over in March, 2005. The Station would, however, continue with the agronomic research phase.

## Staff

During the period, Mr. Ferdinand Mawunya, a Research Officer, proceeded on study leave for PhD studies at the University of Ghana and Mr. Daniel Acquah, a Senior Staff, returned from study-leave in Korea. Two Senior Staff, Mr. Joseph Noagbewornu and Mr. Yao Nyadzro retired while Mr. Alexander Anom, a Senior Staff and Mr. Koku Basubata, a Junior Staff died.

The current staffing position therefore stands at:

Senior Research Officer (On contract)	1
Senior Research Officers	2
Research Officer	1
Research Officer (On study leave)	1
Senior Staff	12
Junior Staff	45
Daily Rated staff	15
Temporary Staff	12
<b>Total staff strength</b>	<b>88</b>

## On-going Research

### Nyalemegbe, K. K.

- Utilisation of Azolla as manure in lowland rice cultivation on the Vertisols of

the Accra plains.

- Utilisation of Sesbania and other legumes as source of nitrogen in irrigated rice on the Vertisols of the Accra plains.
- Development of technologies for using leguminous crops for sustainable crop production.
- Development of improved fallow farming system using leguminous plants.
- A study of the effect of heat stress on the growth, flowering and yield of some vegetable crops (tomato, garden eggs, okro and chili pepper) on the Vertisols of the Accra plains.

#### **Darkwa, E.O.**

- Evaluation and selection of fruit vegetables (Peppers, Tomato, Garden eggs & Okro) for tolerance resistance to pests, diseases and heat stress.
- Validation trials on the efficacy of fungicides and foliar fertilizers as components of an integrated approach to the management of foliar diseases of vegetables.
- Establishment of orchards of cultivars of mangoes and citrus to monitor the incidence and severity of pests and diseases.
- Evaluation of herbicides for weed management in vegetables - an integrated approach.

#### **Oteng, J.W.**

- **Rice-Fish Culture**
  - (a) The design and construction of the basins for the trials have been completed.
  - (b) A ratoonable rice cultivar has been identified and multiplied. Seeding of the experiment will commence in March, 2005.
  - (c) Two species of fish, catfish and tilapia produced by Aquatic Research and Development Center (ARDEC) will be ready for introduction in April-May, 2005.
- **Sugarcane Research/Development Programme**
  - (a) The second phase of nursery expansion programme is in progress and it is expected to reach a total of about 2 ha by end of 2005.
  - (b) Four out of ten cultivars have been found to be very promising and they include the following: B63349, KnB 92-96, KnB 92-61 and KnB 90-457
  - (c) Field trials will commence during the 2005 major season using the four promising cultivars.
  - (d) Funds will be sought late in 2005 to purchase a sugar mill and rehabilitate the old Jaggery plant to commence processing of cane into syrup and alcohol (ethanol).

#### **Yangyuoru, M.**

- Changes in stability and water shedding potential of landforms using USDA curve numbers.
- Field validation of a numerical model in furrow irrigation system using harvested rainwater.

- Optimal management and release of irrigation water from a micro-dam at ARC-Kpong.
- Climate variability and cultural practices on crop yields on the Vertisols.
- Effect of soil conditioners on the productivity and physical properties of some soils in Ghana.
- Evaluation of surface overland flow into a water cistern at ARC-Kpong.

## Teaching

The Research Officers on the Station participated in the academic activities in Crop and Soil Science Departments respectively by teaching, supervising and examining student research projects.

Staff from the Station also participated in teaching and practical programmes organised by the Ministry of Food and Agriculture (MOFA) at the Bok Nam Kim Agricultural Training Centre for serving field staff.

## Publications/Papers Presented at Conferences

### **Yangyuoru, M., T. Kawachi, K. Unami, S.G.K. Adiku, F. Mawunya and S. Quarshie**

- Comparison of rainfed and potential yields of maize and cowpea on the Vertisols of Ghana. *Journal of Rainwater Catchment System (JRCSA)*, 9: 7-12 (2003).

### **Yangyuoru, M., E. Boateng, S.G.K. Adiku, D. Acquah, T. Adjadeh and F. Mawunya**

- Effects of natural and synthetic soil conditioners on soil moisture retention and yield of maize. *West African Journal of Applied Ecology (WAJAE)*, 2003: (In press).

### **Unami, K., T. Kawachi, and M. Yangyuoru**

- Optimal water management in small-scale tank irrigation systems. *Energy*, (2004): (In press).

### **Yangyuoru M., S.G.K. Adiku, F. Mawunya, T. Adjadeh and S. Quarshie**

- Degradation of soil surface profile of developed landforms on the Vertisols of Ghana. *Journal of Ghana Institution of Engineers*, (2004): (In press).

### **Nyalemegbe, K.K., J.W. Oteng, E. O. Darkwa and C. Oti-Boateng.**

- Comparative performance of different rice-based cropping patterns in the Vertisols of the Accra plains of Ghana. Proceedings of the 2nd Biennial Regional Rice Research Review (4R's 2002). 9-12 April, 2002.

## Workshops/Conferences Attended

### **Nyalemegbe, K. K.**

- Second Biennial Regional Rice Research Review (4Rs 2002). WARDA-The Africa Rice Centre. M'bé, Bouaké Côte d'Ivoire. 9-12 April, 2002.

- Planning Workshop on the Kpong Irrigation Project (KIP). Review of 3-year Transitional Management phase and drawing a 5-year strategic plan. KIP Conference Hall, Asutsuare, 18th–20th January, 2005.

**Oteng, J. W.**

- Irrigation Development and Management in Ghana: “The Way Forward”. (Collaborators: IWM, JICA, GTZ). Jan. 20th–23rd, 2004. Tema, Ghana
- Small-Scale Irrigated Agriculture Promotion Project (SSIAPP). Stakeholders Forum: Farmer Participatory Irrigation Management and Improvement: May 28, 2004, Novotel, Accra, Ghana.

**Extension**

**Nyalemegbe, K.K.**

- Forum with farmers of the Kpong Irrigation Project (KIP), at Akuse and Asutsuare, on the importance of organic matter in the enhancement of soil fertility.

**Yangyuoru, M.**

- Agro-meteorological data analysis for crop production, for “Golden Exotics” Ltd., P. O. Box K.I.A. 16105 Accra. February, 2004.
- Design and construction of a micro-dam for harvesting rainwater for irrigation, for “Dan-T-Investment” (Gh) Ltd. Farming Division, P. O. Box Co 2108, Tema. September, 2004.
- Agro-meteorological data analysis for crop production, for “Good Fortune Farmers Association”, Kpong-West, E/R. October, 2004.

## FACULTY OF ARTS

### DEPARTMENT OF CLASSICS

#### Overview

Nothing dramatic has taken place in the department during the year under review. The staffing position is rather thin. In spite of this, the Department continues to mount courses for the various undergraduate levels, *i.e.* Level 100 – 400. A sad observation is that our final year students who perform very creditably in the exams, never come back to enroll for the graduate programme.

#### Courses

As in the preceding years, only core courses were available for the various levels: 100 – 400; the Department also taught courses at the External Degree Centre.

#### Staff

The Staffing position remained the same: 1 Senior Lecturer, 1 Lecturer, and 1 part-time Lecturer.

#### Student Numbers

Level 100	–	552
Level 200	–	193
Level 300	–	34
<b>Total</b>		<b>1,085</b>

#### Research

The broad areas of research were:

- (i) Roman North Africa
- (ii) Women in Antiquity
- (iii) Life and Thought of the Ancient Greeks and their Relevance for Modern-day Africa.

#### Publications

None: But, some articles are awaiting consideration for publication.

#### Conferences

Nil

## DEPARTMENT OF ENGLISH

### Overview

The 2003–2004 academic session saw a significant increase in the total student enrollment for the Department of English, almost twice the number for the previous year. The new figures include 11 Ph.D. candidates. Another significant new development is the implementation of the first year of the **New Syllabus for English Studies** proposed by the department and approved earlier by the Academic Board.

### Courses Taught

#### Level 100

- ENGL.111 – Foundation English I (Listening & Speaking Skills)
- ENGL.112 – Foundation English 2 (Reading Skills)
- ENGL.113 – Foundation English 3 (Practice Drills in Listening & Speaking)
- ENGL.114 – Foundation English 4 (Writing Skills)

#### Level 200

- ENGL.211 – Introductory Survey of the English Language 1
- ENGL.212 – Introductory Survey of the English Language II
- ENGL.213 – Survey of English Literary History
- ENGL.214 – Critical Reading of Literary Texts

#### Level 300

- ENGL.301 – Present-Day English
- ENGL.302 – Semantic Structure of English
- ENGL.303 – Introduction to African Literature
- ENGL.304 – Shakespeare
- ENGL.305 – Practice in Criticism
- ENGL.306 – The Modern Novel

#### Level 400

- ENGL.400 – Long Essay
- ENGL.401 – Stylistics
- ENGL.402 – Varieties of English
- ENGL.403 – Advanced Practice in Criticism
- ENGL.404 – Themes in Modern Literature
- ENGL.405 – Modern Literary Criticism

#### Level 300/400 (Electives)

- ENGL.307 – English Syntax
- ENGL.308 – Phonology of English
- ENGL.309 – Discourse Analysis
- ENGL.312 – History of the English Language

- ENGL.313 – Pragmatics
- ENGL.314 – Early English Texts
- ENGL.317 – 18th Century Literature
- ENGL.318 – Romantic Poetry
- ENGL.319 – Modern Poetry
- ENGL.325 – Ghanaian Literature
- ENGL.327 – New Literatures in English
- ENGL.328 – Literature of the Black Diaspora
- ENGL.333 – Introduction to Creative Writing
- ENGL.334 – Creative Writing
- ENGL.336 – Contemporary English Usage

**Level 600**

- ENGL.600 – Research Methods
- ENGL.601 – English Syntax
- ENGL.602 – English Phonology
- ENGL.603 – Literary Theory
- ENGL.604 – Modern Drama
- ENGL.605 – Language and Literature
- ENGL.606 – English Semantics
- ENGL.607 – African Literature
- ENGL.612 – Oral Literature
- ENGL.613 – Special Topic
- ENGL.615 – Post-Colonial Literature
- ENGL.626 – Sociolinguistics

**Admissions**

- Level 100 – 408 Students
- Level 200 – 330 Students
- Level 300 – 138 Students
- Level 400 – 97 Students
- Level 600 (Yr.1) – 6 Students
- Level 600 (Yr.2) – 3 Students
- Ph.D – 11 Candidates
- Foreign – 51 Students

**Staffing Position**

Dr. E. A. Quarcoo, Senior Lecturer, took over as the new Head of Department, following Prof. J. F. Wiredu's appointment as Principal of the Accra City Campus. Ms. Helen Yitah, Lecturer, won a Fulbright Award and proceeded to the University of South Carolina to work for a Ph.D. Augustina Edem Dzregah, who had been on study leave with a Fulbright award at Indiana University at Pennsylvania, successfully completed requirements for a Ph.D. in English, and was expected to rejoin the department for the 2004-05 session. Professor Anne V. Adams of Cornell University, returned to the department as a Fulbright Senior Fellow; Professor Adams had earlier in the mid-nineties, spent two years with the department as a

Fulbright Senior Fellow, Kofi Anyidoho, Professor & former head, returned to Legon from a two-year sabbatical, ready to resume work for 2004-05.

## **Conferences/Seminars/Workshops**

### **Adjei, M.**

- “The African Diaspora in the Poetry of Kofi Anyidoho and Kofi Awoonor”. Paper presented at an International Conference on Slavery, University of Cape Coast, 2003.

### **Anyidoho, K.**

- CODESRIA General Assembly, Kampala – Uganda. December 8-12, 2002. Discussant, panel on “Higher Education in Africa: Problems, Solutions, Prospects”.
- “Documenting African Experience of Slavery: History, Literature, Film”. A Faculty Lecture, Swarthmore College. March 4, 2003.
- 29th African Literature Association Annual Conference. Alexandria, Egypt. March 19–23, 2003. Title of Paper: “PER ANKH: Ayi Kwei Armah’s Quest for Knowledge of a Craftsmanship of the Soul”.
- Africa Presence Week [April 27–May 2, 2003], Northwestern University, Evanston, Illinois. Title of Presentation: “Nurturing the Next Generation”.
- “AFRICALIA Encounter: Inventory of Artistic Creations in Africa”. A Residential Seminar. Workshop on Literature. Golden Tulip Hotel, Oostende, Belgium. May 27–29, 2003.
- Ford Foundation Special Initiative on Africa Workshop on Citizenship and Identity. Addis Ababa, Ethiopia. June, 2003.
- XII International Poetry Festival of Medellin. Colombia, South America. June 21 to June 30, 2003.
- CODESRIA 30th Anniversary West Africa Sub-Regional Conference on “West Africa and the Quest for Democratic Nationhood – Cotonou, Benin. Sept. 6–7, 2003. Chair of Panel on “Participation, Representation & Empowerment.”
- CODESRIA African Humanities Institute International Symposium on “Canonical Works and Continuing Innovation in African Arts & Humanities.” University of Ghana-Legon, Accra. Sept. 17-19, 2003. Conference Convener.
- CODESRIA 30th Anniversary Grand Finale Conference & Celebration. Theme: “Intellectuals, Nationalism & the Pan African Ideal”. Dakar-Senegal, December 10–12, 2003. Paper: “Casely Hayford & the Visionary Pan-African Agenda of the Early 20th Century.”

### **Awoonor, K. N.**

- Participated in Poetry Africa 2004, an international poetry festival held in Durban, South Africa, where he also made a special presentation and gave a poetry reading at the University of Kwa-Zulu Natal. June, 2004.
- “African Literature and the Pan African Project”. A paper delivered as a member of President Mbeki’s panel on The African Renaissance, Durban.
- “Globalization and the African Writer” Paper presented at the Faculty of Arts Colloquium, Legon, May, 2003.

**Ansah, Gladys N.**

- “Ethnography of Modern Political Discourse in Ghana”. A paper presented at the Faculty of Arts Colloquium, May, 2004.
- “Lexical Innovation in Akan: An Overview”. A paper presented at the Legon-Trondheim (NUFU) Linguistics Project Workshop.

**Research****Adjei, M**

- Made significant progress on his Ph.D. research project on “Slavery and Pan-Africanism in Ghanaian Literature.”
- An on-going project on “The Impact of the Electronic Media on Reading Habits among JSS Pupils”.
- Initiated a new project on “The Dream & The Reality: Interviews with Four Ghanaian Creative Writers”.

**Amuzu, K.**

- Did further work on two projects, respectively titled “Globalization: The Internet and National Cultures” and “Literature of Apartheid and the Post-Sharpville Reader”.

**Anderson, J.**

- Made significant progress on her Ph.D. research project dealing with aspects of the semantic and syntactic structure of Ghanaian English.
- Began work on “Polite Requests in English in Ghana” and on “Pragmatic Perception of Politeness in English in Ghana”.

**Angsotinge, G.**

- Worked on “Relevance of Blake’s Poetry to Contemporary Society”
- “Appreciating English Literature”: collaborative textbook project.
- Worked on a number of original short stories.

**Anyidoho, K.**

- Spent the first of his two years of sabbatical leave at Swarthmore College, Pennsylvania, as Visiting Cornell Distinguished Professor of Black Studies, English and Theatre. Research and teaching focused on ‘Literature as Performance’ and ‘The Challenge of Bi-Lingual Creative Writing in Africa’.
- Organized a major lecture-performance series that brought the following scholar-artists to Swarthmore College for various presentations: Paul Middellijn [Surinamese professional story-teller], F. Nii-Yartey, Mohammed Ben-Abdallah, Abena Busia, and Kamau Brathwaite.
- Spent part of the second year of his sabbatical leave as Visiting McClean Distinguished Professor of English at Colorado College – taught a specially designed course on “Poetic Traditions of the African World”.
- Editorial work on papers submitted by Fellows of the CODESRIA African Humanities Institute.

**Awoonor, K. N.**

- Preparation of a major publication on a long-term research project, "Cultural Forms and Political Institutions in an African Perspective".

**Chukwura, Mary L.**

- Using the Internet for Literary Studies: a manual of research resources and techniques.
- V.S. Naipaul's A Way in the World: metafiction and the deconstruction of genres.
- Transformation of conventions of religious poetry in George Herbert's The Temple.

**Dadzie, A. B. K.**

- Worked on "Defining and Describing the Ghanaian Variety of English, Using the Linguistic Matrix of Analysis.

**Dako, K.**

- Focused her research for the year on "English in Ghana".

**Denkabe, A.**

- Contributed a chapter on "Life Stories" to a "Violence Against Women & Children" book project. Eds. T. Manuh and K. Kusack.
- "The Novel and National Feeling: A Study of Contemporary Ghanaian Tradition".
- Initiated a research project on "Masculinities in Ghana".

**Dzregah, A. E.**

- Completed work on a Ph.D dissertation titled "The Missing Factor: Explorations of Masculinities in the Works of Toni Morrison, Louise Erdrich, Maxine Hong Kingston, and Joyce Carol Oates". Indiana University of Pennsylvania.

**Komasi, Mabel**

- Took a year's study leave to focus on her Ph.D. dissertation project on Ghanaian Children's Literature.

**Ansah, Galdys N.**

- Continued with her research into "Lexical Innovation in Akan".
- Revived an earlier research project on "Ethnography of Political Discourse".
- Started work on "The Morphology of English Loan Words in Akan".

**Sackey, A. A.**

- Further work on "Ghanaian Poetry of the Early 20th Century".

**Sackey, E.**

- Focused on two main areas: "Africa and the Novel Form" and "Ayi Kwei Armah and Historical Fiction".

**Wiredu, J. F.** continued with his book project on “Topics in Grammatical Studies”.

- Completed a book project on “Communication in Organizations”.

## **Publications**

### **Adjei, M**

- “Notes and Commentary on J.C. de Graft’s *Sons and Daughters*”. Accra: Kwadwoan Publishers, forthcoming.
- “Notes and Commentary on Shakespeare’s *As You Like It*”. Accra: Kwadwoan Publishers, forthcoming.
- “Introduction to Literary Appreciation”, with G. Ansotinge & E. Sackey. Accra: Kwadwoan Publishers, forthcoming.
- “Introduction”, *Unexpected Joy*, a novel by A. Agyiri-Agyei. Accra: Sub-Saharan Publishers, 2004.

### **Anyidoho K.**

- *Praise Song for The Land: Poems of Hope, Love & Care* [with CD-ROM]. Accra: Sub-Saharan Publishers, 2002.
- “The Back Without Which There Is No Front.” *Africa Today* Vol. 50 Number 2 [Fall/Winter 2003]: 3–18. Special Issue on “Oral Heritage and Indigenous Knowledge”.

### **Anderson, Jemima A.**

- “English Loanwords in Akan”. In *Explorations*. Journal of the English Department. Vol. 1:1.

### **Ansotinge, Gervaise T.**

- “Relationship between the Past and the Present in the Early Poetry of Seamus Heaney”. In *Explorations*. Journal of the English Department. Vol. 1:1.
- *An Introduction to Language and the Language of Literature* [a monograph], with K. Dako and A. Denkabe.

### **Chukura, Mary L.**

- “Birds of Darkness” (a short story). In *Sixteen Short Stories by Nigerian Women*, ed. Toyin Adewale. Ishmael Reed Publishing Company (forthcoming Spring 2005).

### **Dako, K.**

- “Families Portrayed in West African Fiction”, with Moussa Traore and Helen Yitah. *Research Review*, Supplement 15 (2004): 61–67.
- “The Sound System of Ghanaian English”. In *Explorations*. Journal of the English Department. Vol. I, No. 1: 107–119.  
*An Introduction to Language and the Language of Literature* [a monograph], with G. Ansotinge and A. Denkabe.

### **Denkabe, A**

- “Exploitation, Negligence and Violence: Gendered Interrelationships in Amma Darko’ Novels”, with K. Dako and H. Yitah. Forthcoming.

*An Introduction to Language and the Language of Literature* [a monograph], with G. Ansotenge and K. Dako.  
*TINN-AFRICA/GERA (Gender and Economic Reform in Africa)*. Rapporteur's Report. Accra, Nov. 2003.

### **Dzregah, Augustina E.**

- 4 essays on the poetry and lives of Rita Dove, Mari Evans, Lucille Clifton, and Yusef Komunyakaa in *Contemporary American Ethnic Poets: Lives, Works, Sources*. Ed. Linda Cullum. Westport, CT.: Greenwood Press, 2004.

### **Sackey, E.**

- Poems in Anthology of Contemporary Ghanaian Poems. Eds. Woeli A. Dekutsey and John Sackey. Accra: Woeli Publishing Services, 2004.
- Review of Simon Gikandi's *Ngugi wa Thiong'o*. (forthcoming in Legon Journal of the Humanities).
- "The Truth of Fiction: Representation of Kwame Nkrumah in *The Beautiful Ones Are Not Yet Born*". (forthcoming).

### **Benefaction and Special Acknowledgements:**

The Department of English is very grateful for various donations, including books to the departmental library. In particular, we wish to acknowledge the following:

- 1 Compaq PC, with 17-inch Monitor, HP Laser Jet 1005 Printer, and APC 500 VA UPS, donated by Tema Lube Oil Company.
- 53 assorted books on literature and literary theory, donated by the Director, Martin Luther King Center, of United States Embassy, Accra.
- Two sets of books totaling 53, published by Pam Handa and donated through the office of the Registrar.
- A copy of *God Exists* (2000), donated by the author, Dr. Isay Darydor.
- 3 books, donated by Kathy FizGerald.
- The Department records its special appreciation for the efforts being made by members and the executive of ASEL (Association of Students of English – Legon) to enrich departmental teaching and learning resources. For the 2003-2004 session, ASEL donated the following to the department:
  - Artificial leather covers for tables in the Library and the office of the Head.
  - Linoleum for the floor of the Library.
  - 13 books on American Literature and 1 copy of *Chambers 21st Century Dictionary*.
  - 1 outdoor General Glass Notice Board.

In addition to the above donations, ASEL celebrated its special week under the theme "Challenges and Prospects for English Students". Highlights of the celebration included a clean-up exercise, a thanks giving mass service with Pax Romana, and a special seminar featuring Dr. Audrey Gadzekpo of School of Communication Studies (a graduate of the department) and Professor Kari Dako (faculty member of the department).

# LANGUAGE CENTRE

## Overview

In the 2003/2004 academic year, the Language Centre continued to focus on research and teaching related to the improvement of performance in languages used within Ghana, that is English as the official language of the country, and the various Ghanaian languages as vectors of education, culture and community interaction. Research fellows have been discussing the Centre's response to the changing situation in the country's education system, specifically, ways of using the university's compulsory Academic Writing programme to deal with the language skills problems faced by first-year students. During the year under review, workshops organized for staff focused on research and teaching techniques, and integrating and networking towards enhanced effectiveness in the English proficiency and the Academic writing programmes.

The building housing the Centre was networked for Internet connectivity: all offices, lecture rooms and language laboratory have been networked. Some modest refurbishment was done to the language laboratory. We have also experienced an increase in enrolment for our English proficiency programme. Therefore the Centre has positioned itself as a strong language institute in the West African sub-region. However, to remain competitive a new vehicle, preferably a bus for language proficiency excursions and a modern language laboratory ought to be acquired.

## Courses

The Language Centre continued to run three major programmes:

- (i) Certificate of English Proficiency for learners of English as a Foreign Language (EFL);
- (ii) Academic Writing (LANG 100/ LANG 200) for entering students;
- (iii) Basic course in Ghanaian Languages for Level 200 students (AFST 260) on behalf of the Institute of African Studies.

## Student Numbers

- (i) Certificate of English Proficiency: 21
- (ii) Academic Writing: Level 100 – 2676; Level 200 – 220.
- (iii) AFST 260: Dagbani – 800; Asante Twi – 750; Ga – 1250.  
Total: 6,717 students.

## Staff

The breakdown of staff at post was:

- 2 Senior Research Fellows
- 5 Research Fellows
- 3 Tutors

- 3 Part-time Lecturers
- 6 Senior staff
- 8 Junior staff.

Dr. Kingsley Andoh-Kumi, Senior Research Fellow, proceeded on sabbatical leave in January, 2004. Three Research Fellows, namely, Mrs Sika Ahadzie, Mr. Evershed Amuzu, and Mr. Mousa Traore are pursuing postgraduate programmes abroad.

## **Research/Projects**

### **Adika, G. S. K.**

- Written Communication and the Construction of Knowledge: Discourse Organisation in the Written Texts of University Students
- Written Communication in Non-Academic Contexts
- Writing in Journalism in Second Language Contexts

### **Odoi, D. A.**

- Conducting research into “The West African Novel as Autobiography” as part of Ph.D programme with the English Department, University of Ghana.

### **Arhin, V. E. M.**

- Academic Listening at the tertiary level.
- Writing effectively: Drawing lessons from critical reading activities
- Methodology for EFL programmes

### **Ofori, K. A. G.**

- Semantic Domain of Agriculture in Ewe: An investigation into terms relating to crop and fish farming as well as animal rearing with the objective of providing a semantic analysis and discussion thereof.
- Ewe Dictionary project.

### **Dorvlo, G. K.**

- Documentation and the Description of Synchronic Structure of Endangered languages.

### **Akrofi-Ansah, M.**

- Ghanaian language & culture textbooks. (Smartline publishers).
- Describing Lat<sup>o</sup> morphosyntax.
- Oral English for Senior Secondary Schools II (Audio cassette plus book).

### **Agyeman, N. A.**

- Middle Verb Constructions in Akan: Investigating the semantic class of verbs that allow the expression of the middle voice in Akan. The research seeks to go beyond Akan to consider other languages that employ the middle category.

**Boateng, S.**

- Investigating the relevance of some discourse connectives in Ewe.

**Publications****Adika, G. S. K.**

- *English for General Proficiency*. Accra: Herma Publications. (forthcoming; in association with I.E. Tsikata).
- "Lost in Oxbridge" and "My Totem" in Dekutsey and Sackey (Editors) *An Anthology of Contemporary Ghanaian Poems*. Accra: Woeli. 2004.
- *An Anthology of Contemporary Ghanaian Poems*. Dekutsey and Sackey (Editors) Part of team of five annotators. Accra: Woeli. 2004.
- *Understanding Ladé Wosornu's Poetry*. Accra: Tecnic Channel. 2004.
- "A theme-structure approach to evaluating aspects of university students' expository texts". *Legon Journal of the Humanities*. Vol. 14. 2003.

**Ofori, K.A.G.**

- Ewegbe Sosro 5, Ofori K. A. G. (With Kakane C.A.D., Hlomatsi G.M.Y.) Accra: Unimax. 2002.

**Akrofi-Ansah, M.**

- Oral English for Senior Secondary Schools I. Yetran. (Audio cassette plus book)
- Functions of tone in Lat<sup>o</sup> grammar. In *Studies in the Languages of the Volta Basin* Vol. 1.

**Agyeman, N.A.**

- "On Object Sharing and Referent Sharing in Akan: Serial Verb Constructions." *Studies in the Languages of the Volta Basin I*. Proceedings of the Annual Colloquium of the Legon – Trondheim Linguistics Project, 2003.

**Boateng, S.**

- Markers of Recurrence in Two African and Two European Languages. In *Working Papers in Special Issues on Contrastive Lexical Pragmatics*. (2004). N.T.N.U, Trondheim.

**Conferences/Seminars****Odoi, D. A.**

- Attended Workshop on KEWL (A Learning Management System) May 19th, 2004.
- Participated in the Second Faculty of Arts Colloquium, March, 2004.
- Workshop on Writing a Novel, (GRNA Conference Room July 15th, 2004).
- Legon – Trondheim NUFU colloquium and Workshop (Linguistics Department, Legon 12th–16th January, 2004).

**Arhin, V.E.M**

- Negotiating Voice through Critical Reading in Academic Writing. Language Centre Seminar Series. April 27, 2004.

- Communication Skills for Secretaries. (Facilitator) Workshop organized for Secretaries held at the Office of the Head of Civil Service. Accra. 19th March – 11th June, 2004.

**Ofori, K.A.G..**

- Nasalisation in Ewe. Language Centre Seminar series, 16th March, 2004.

**Akrofi-Ansah, M.**

- Assimilatory Processes in Lat°, Language Centre Seminar Series. 1st April, 2004.
- The Lat° Dialect: Syllable Structure & processes, Language Centre Seminar series. 3rd December, 2003.

**Swanzy, C.**

- Teaching Paragraph Writing to First Year Students Across the Curriculum. Language Centre Seminar Series. 6th April, 2004.

**Agyeman, N. A.**

- “Middle Constructions in Akan”, Language Centre Seminar Series. March, 2004

**Boateng, S. A.**

- The Pragmatic Importance of the Utterance Particle “Ya” in Ewe. Language Centre Seminar, 2nd March, 2003.
- Markers of Recurrence in two African and two European Languages (with Nana Aba Appiah Amfo and Thorstein Fretheim) 8th International Pragmatics Conference, Toronto, Canada.

**Extension Work**

**Adika, G. S. K.**

- Consulting Editor, Heritage Communications, Accra.
- Consulting Editor, EPP Books Services, Accra.
- Consulting Editor, Association of African Universities (AAU): Edited the language of papers presented at the 2004 workshop on WTO/GATS in Higher Education.

**Odoi, D. A.**

- External Examiner, Communication Skills for National Board for Professional and Technician Examinations 2004.
- Resource Person, “Mmofra Against AIDS Project”. 2003 to Present.
- Resource Person, Flowers Institute of Technology. 2004.

**Arhin, V. E. M.**

- Member of the Asempa Board.
- Guest Lecturer, Ghana Armed Forces College (Junior Division) on Effective Communication Skills.

- Part-Time Lecturer in English for Tertiary Education at Trinity Theological Seminary, Accra.

**Ofori, K. A. G.**

- Examiner in Ewe, WAEC
- Part-Time Lecturer in Ewe, Ghana Institute of Journalism.
- Translator of 'Light of our Path' and 'Women's Manifesto for Ghana'.

**Akrofi Ansah, M.**

- Part-time lecturer (Academic Writing), Ghana Institute of Journalism
- External Examiner for Communication Skills, National Board for Polytechnics and Technicians Examinations

**Agyeman, N. A.**

- Part-time teaching, NAFTI.

**Benefaction**

- Dr. Mabel Asante, a former Research Fellow of the Centre, now based in the United States of America donated over 200 books on various aspects of Linguistics, Language teaching and Academic Writing to the Centre.
- Mr. George Boateng Spong, Managing Director of Getensaps, Ghana Ltd., pledged to give the Language Centre five hundred thousand cedis every month for infrastructural support. During the year under review, he donated 4.5million cedis to the Centre.

**DEPARTMENT OF LINGUISTICS**

**Overview**

In the 2003/2004 year, the academic staff of the Linguistics Department performed their duties and responsibilities with appreciable commitment as in previous years. Two new lecturers, Ms. Grace Bota and Mr. Clement K.I. Appah joined the staff. Dr. P. K. Agbedor spent the year at the University of Cape Coast as his sabbatical leave.

The year also saw the promotion of three of our colleagues. P. K. Agbedor and Kofi Agyekum were promoted to the rank of Senior Lecturer while E.K. Osam became an Associate Professor. In addition, Mr. Agyekum successfully defended his Ph.D thesis and was awarded the Ph.D degree.

In June-July, 2004, the Department started a sandwich M.A. programme in Teaching of English as a Second Language (TESL). There was a very enthusiastic response to the programme.

## Courses Offered

The Department offered courses at the BA, MA, M.Phil and Ph.D levels in such areas as Phonetics and Phonology, Syntax, Semantics, Language and Culture, Sociolinguistics, Theory of Translation, Discourse Analysis, Conversational Studies, and Theory of Language Learning.

### Student Numbers

Level 100	550
Level 200	633
Level 300	281
Level 400	141
M.Phil/MA	14
Ph.D	3
<b>Total</b>	<b>1,622</b>

### Staffing Position

The breakdown of staff at post was:

- 1 Professor
- 3 Associate Professors
- 4 Senior Lecturers
- 5 Full-time Lecturers
- 1 Part-time Lecturer
- 1 Tutor

Out of this number, one Senior Lecturer was on Sabbatical leave.

### Research

The Legon-Trondheim Linguistics Project (NUFU Project), which is in its second phase, enabled Senior Members in the Department to continue their research work in literacy, lexicography and typology involving Ghanaian Languages. With funds from this project, the Department has been able to acquire and maintain needed equipment.

Research work undertaken by Senior Members are indicated below.

#### **Agyekum, K.**

- Akan Semiotics
- The Language of Akan Nsawa
- Akan Terminology and Metalanguage
- Akan Kasa Nhyehyâe
- Akan Body Part Expressions
- Language, Politics and the Media

#### **Akanlig-Pare, G.**

- Adult Literacy Practices in Buli
- Interface between Phonology (Tonology) and the Morpho-syntax of Buli.

**Amfo, N. A. A.**

- Lexical pragmatics, referring expressions and reference assignment in communication.

**Anyidoho, Love A.**

- Teaching of reading and writing in Ghana
- Slang in Akan
- Adult Literacy in Buli
- Writing English Textbooks for the Basic Education Level

**Apenteng-Sackey, E.**

- Akan Dictionary Project

**Appah, C. K. I.**

- Nominal Derivation in Akan: the formation of nouns from both lexical and non-lexical categories
- The Representation of Integrated Serial Verb Construction in the C and F structures of Lexical Functional Grammar
- Akan Dictionary Project

**Bota, Grace**

- Silence: A Communicative Tool between students and lecturers – A case study of the University of Ghana
- Sexism in the Akan Language: The Role of Culture

**Duthie, A. S.**

- English sounds and spellings: solving the initial reading problem in Ghana
- Equivalences in Translation

**Dzameshie, A. K.**

- Linguistic Politeness Strategies in Ewe
- Multi-Word Lexical Verbs in Ewe
- Sociolinguistic Survey of Buli speakers
- Ewe Dictionary Project

**Osam, E. K.**

- Multi-verb Constructuions and grammaticalisation issues in Akan
- Comparative Akan Phonology

**Saah, K. K.**

- Adverbs
- Relativisation
- Akan Dictionary Project

**Saanchi, J. A. N.**

- Grammar of Spatial Relation
- Syntax and Semantics of Dagaare

- Oral Literature

### **Yankah, K.**

- Language and Governance

### **Publications**

#### **Agyekum, K.**

- 'Asante Kasasua Mfiase 1 Nwoma 5 and Teacher's Guide' Unimax Macmillan Education.
- 'Indigenous Education in Africa: Evidence from the Akan People of Ghana.' In the *Journal of Culture and its Transmission in the African World (JCTAW)* Vol. 1 No. 2 Fall 2003.
- 'Honorifics and Status Indexing in Akan.' *Journal of Multilingual and Multicultural Development*, Vol. 24, No. 5, 2003, pp.369–385.
- 'Linguistic Relativity in Akan Cultural Terms.' *Journal of African Roots*. Vol. 1, 2003, pp.54–77.
- 'Ntam 'Reminiscential Oath' Taboo among the Akan of Ghana'. *Language and Society*, Vol. 33(3) 2004, pp.317–342.
- 'The Sociocultural Concept of Face in Akan'. *Journal of Pragmatics and Cognition*. Vol. 12:1, 2004, pp.71–92.
- 'Invective Language in Contemporary Ghanaian Politics'. *Journal of Language and Politics*. Vol. 3:2 (2004), pp. 345–375.

#### **Amfo, Nana Aba Appiah**

- (With Stella Afua Boateng and Thorstein Fretheim) 'Markers of Recurrence in Two European and Two African Languages' in *Working Papers isk*, Department of Language and Communication Studies, NTNU. Special Issue on Contrastive Lexical Pragmatics.

#### **Anyidoho, L. A.**

- 'Women's Folklore in Ghana.' Eds. P.M. Peek and Kwesi Yankah, *African Folklore: An Encyclopedia*, New York: Routledge, 2004: 514–515.

#### **Apenteng-Sackey, E.**

- With S.A. Asiama and L. D. Apraku for UNIMAX Macmillan Ltd. 'Akuapem Kasasua Mfiase Nwoma 4 & 5' (Akuapem Language Studies Pupils' Books 4 & 5), 2003.
- With S. A. Asiama and L. D. Apraku for UNIMAX Macmillan Ltd. 'A course in Ghanaian Languages and Culture. Teacher's Guide 4, 2003.

#### **Dzameshie, A. K.**

- 'Conceptual Structure and Article Usage in Ewe'. In M. E. Kropp Dakubu and E. K. Osam (eds.), *Studies in the Languages of the Volta Basin*, Vol. 1, Legon; Department of Linguistics, 153-179.

**Osam, E. K.**

- (2004) *The Trondheim Lectures –An introduction to the structure of Akan: Its verbal and multiverbal systems*. Legon: Department of Linguistics.
- (2003) An Introduction to the verbal and multiverbal systems of Akan. In: Dorothy Beermann and Lars Hellan (eds.), *Proceedings of the Workshop on Multiverb Constructions, Trondheim Summer School*.
- (2003) M.E. Kropp Dakubu and E.K. Osam (eds.) *Studies in the Languages of the Volta Basin*. Proceedings of the Annual Colloquium of the Legon-Trondheim Linguistics Project, December 4-6, 2002. Legon: Department of Linguistics.
- (2003) Dervied adjectives in Akan and Ewe: A comparative analysis: In: M.E. Kropp Dakubu and E.K. Osam (eds.) *Studies in the Languages of the Volta Basin*. Proceedings of the Annual Colloquium of the Legon-Trondheim Linguistics Project, December 4-6, 2002, 171–179. Legon: Department of Linguistics.

**Saah, K. K.**

- 'The Nature and Function of Akan Verbal Affixes'. In M.E. Kropp Dakubu and E.K. Osam (eds.), *Studies in the Languages of the Volta Basin*, Vol. 1 (Proceedings of the Annual Colloquium of the Legon-Trondheim Linguistics Project, 4-6 December, 2002), pp.180-196.

**Saanchi, J. A. N.**

- 'Aspect and the Dagaare Verb' *Cahiers Voltaiques/Gur Papers* 6 (2003), 101-106.
- 'Spatial and Locative Constructions in Dagaare' *Legon Journal of Humanities*, XIV (2003), 29–36.

**Yankah, K.**

- (2004) Kwesi Yankah and Philip Peek, Ed. *African Folklore: An Encyclopedia*. New York: Routledge, 748 pages.
- (2004) "The Folktale and its Extensions" in *The Cambridge History of African and Carribean Literatures*. Ed. F. Abiola Irele and Simon Gikandi. Cambridge: Cambridge University Press. pp. 19–34.

**Conferences, Seminars and Workshops Presentations****Agyekum, K.**

- Department of Linguistics Seminar, 17th March, 2003. Paper presented with Prof. K. Osam '*Body Part Expressions of Emotions in Akan*'.
- Legon-Trondheim (NUFU) Linguistics Project: Colloquium and Workshop, Jan. 12-16, 2004. Paper presented '*Causativity in Akan*.'
- Paper presented to ISEP Students, 16th Feb. 2004, '*Etiquette and Non-Verbal Communication*.'
- Department of Linguistics Seminar, 17th March, 2004. Paper presented: '*Apology: A Repair Mechanism in Akan Social Interaction*'.
- Workshop on Akan Dictionary at Abokobi, Accra, 26th–30th April, 2004.
- Faculty of Arts Colloquium, Legon, 5–7 May, 2004.

- Workshop on Ghanaian Language and the Media at the School of Communication Studies, Legon. Paper presented: '*Correct Use of Ghanaian Language on the Radio.*'

**Akanlig-Pare, G.**

- Legon-Trondheim (NUFU) Linguistics Project: Colloquium and Workshop, Jan. 12-16, 2004. Paper presented '*Vowel mergers and the emerging mid tone in Buli: a tonogenetic account.*'

**Amfo, Nana Aba Appiah**

- Linguistics Department Seminar. Paper presented 'Recurrence Marking in Akan'.

**Anyidoho, Love A.**

- Annual Conference of the African Literature Association, University of Alexandria, Egypt, March 17-23, 2003. Paper presented: 'Unsung heroine in political discourse'.
- Seminar, Department of Linguistics, Nov. 17, 2003. Paper presented: 'Political consideration in the choice of school language.'
- Legon-Trondheim (NUFU) Linguistics Project Annual Colloquium and Workshop, University of Ghana, Legon. January 12-16, 2004. Paper presented 'From the diary of the Buli adult literacy project'.
- Faculty of Arts Colloquium on Globalization and the Humanities, University, Legon, 5-6 May, 2004. Paper presented 'Cross-cultural influences on Ghanaian languages: lexical innovation and slang in Akan.'

**Appah, C. K. I.**

- Legon-Trondheim (NUFU) Linguistics Project: Colloquium and Workshop, Jan. 12-16, 2004 Paper presented: '*Nominal Derivation from non-lexical categories in Akan.*'

**Bota, Grace**

- Carnegie Corporation Project: Faculty Training Workshok, November 6-7, 2003.
- Legon-Trondheim (NUFU) Linguistics Project: Annual Colloquium and Workshop, Jan. 12-16, 2004. Paper presented: '*Aspects of Some Phonological Processes in Bono.*'
- Workshop for Female Senior Members, April 2 and May 28, 2004.
- Akan Dictionary Project Workshop, April 26-30, 2004.
- Faculty of Arts Annual Colloquium, May 5-6, 2004.

**Dzameshie, A. K.**

- Legon-Trondheim (NUFU) Linguistics Project: Colloquium and Workshop, Jan. 12-16, 2004 Paper presented: '*Multi-Word Lexical Verbs in Ewe.*'
- Ewe Dictionary Workshop held at Tsito from 5-9 January, 2004.
- Ewe Dictionary Workshop held at Jeff-King Memorial Hotel from 9-13 August, 2004.

**Osam, E. K.**

- (With Kofi Agyekum) Body parts metaphors in Akan. A seminar paper presented at the Linguistics Department, University of Ghana, October 29, 2003.
- (With Grace Bota) Aspects of some phonological processes in Bono. A paper presented at the Legon-Trondheim Linguistics Project Annual Colloquium, University of Ghana, Legon, January, 12–16, 2004.
- (With Gladys Nyarho Ansah) Lexical innovation in Akan – An overview. A paper presented at the Legon Trondheim Linguistics Project Annual Colloquium, University of Ghana, Legon, January, 12–16, 2004.

**Saah, K. K.**

- (With Paul Agbedor) *'Adverbs in Akan and Ewe: A comparative study.'* Presented at the Legon-Trondheim (NUFU) Linguistics Project Annual Colloquium and Workshop, University of Ghana, Legon. January 12–16, 2004.

**Saanchi, J. A. N.**

- Legon-Trondheim (NUFU) Linguistics Project: Annual Colloquium and Workshop, Jan. 12–16, 2004. Paper presented *'Negation in Dagaare.'*
- Department of Linguistics Seminar, 7 April, 2004. Paper presented: *'From Nouns to Spatial Grams: The Case of Dagaare Post-positions.'*

**Yankah, Kwesi**

- University of Ghana. Faculty of Arts Colloquium, May 2004. Paper presented: *'The African Scholar and the Global Order.'*
- Conference of International Society for Oral Literature in Africa. Banjul, Gambia. July, 2004. Keynote Address. *"Verbal Autopsies: The Discourse of Avoidance on HIV/AIDS."*
- Annual Lecture in the Humanities. Ghana Academy of Arts and Sciences. March, 2004. *"Language, the Mass Media and Democracy in Ghana."*

## DEPARTMENT OF MODERN LANGUAGES

**Overview**

The Department maintained and enhanced its rhythm of academic output in the 2003/2004 academic year. There was a contagious feeling of animated commitment among the administrative staff which, in no small measure, facilitated, work in the Department. The staffing situation saw no real net improvement in any of the five language sections, namely, Arabic, French, Russian, Spanish and Swahili.

The Department started implementing the corporate strategic plan it had initiated the previous year. This covered the upgrading of sectional syllabi and the general

academic curriculum: The University Planning Committee approved, in principle, the introduction of five (5) more languages into the Department: these are German, Portuguese, Chinese, Japanese and Hausa. The newly constituted Departmental Academic Programmes Review Committee settled down to work out the relevant details and logistics.

The Department has seriously embarked on an epochal drive to re-structure and re-designate the Department by upgrading it to a "School of Modern Languages and Translation" with departmental constituents conceived along the lines of linguistic and geo-political affinities. The take-off was fairly well ground-worked by the end of the 2003/2004 academic year.

The Department's extension work on campus and the French outreach programme progressively acquired more defined contours and their relevance as ancillary academic activities was clearly established.

The Masters Degree Programme in Translation produced its first set of graduands naturally without some difficulties. It was, however, a net success. The invaluable collaboration of Professors, from the University of Marc Bloch, Stratsbourg, France, facilitated it all. The computerized Library and the Multi Media Room still operated satisfactorily but they were projected for remarkable innovations in the 2004/2005 academic year.

There was substantial increase in student numbers admitted into the first year during the academic year under consideration, and this was not in consonance with the static faculty strength.

### **Year Abroad Programme**

The language immersion programme for our third year students came off. The spectrum of countries that hosted our students was slightly enlarged. This was due to the increasing numbers of students who opted to find sponsors for their programme, outside the traditional Government sources. Our Spanish students again failed to enjoy the facility and efforts were more forcefully initiated with the Government to get the Spanish Section re-integrated into the scheme.

The immersion courses were offered in the following countries:

- Arabic - Egypt
- French - Benin
- France (self-sponsorship and specially arranged French Government grants)
- Russian - Russia
- Swahili - Tanzania
- Spanish - (Facility unavailable, but a few cases of self-sponsorship to Spain).

The Department has traditionally, offered courses in Literature and Language

with electives in comparative Literary studies, philosophical and social thought, stylistics, literary criticism and socio-cultural civilizations among others.

The curriculum scope now embraced outreach programmes/extension work and greater emphasis on language and translation. This was in response to imperatives of market trends and innovative social and professional demands.

### Students Intake

SECTION	LEVEL 100	LEVEL 200	LEVEL 300	LEVEL 400	M.PHIL	Ph.D
ARABIC	122	41	10	-	-	-
FRENCH	337	154	137	60	7	-
RUSSIAN	165	33	9	2	-	-
SPANISH	229	59	42	20	-	-
SWAHILI	274	99	11	4	-	-

MA (TRANSLATION) – Four (4) (Offering French, Spanish and English)

### New Appointments

Arabic – Mr. Abass Umar Mohammed  
 – Mr. Yuosif Mohammed

Mr. Amekudzi of the French Section left to France on study leave. Mr. M. A. Gibrill of the Arabic Section was granted study leave from the 1st of January, 2004.

### Appointments

**(Contract)** – PROF. K. BRITWUM (FRENCH)  
 – PROF. J. N. D. DODOO (FRENCH)  
 – DR. F.S.K. OWUSU (RUSSIAN)  
 – DR. K. BILSON (RUSSIAN)

**(Part-Time)** – PROF. R. F. AMONOO (FRENCH)  
 – DR. W. O. ANIMFEN (FRENCH)  
 – MR. B.A. R. BRAIMAH (ARABIC)

### Staffing Position

The Department had an aggregate number of thirty three (33) lecturers, and an indefinite number of Teaching Assistants, Graduate Assistants and Senior Research Assistants. For a Department as large as this, these figures are most inadequate and considerably stressful demands were brought to bear on facilities and faculty.

<b>Head of Department</b>	-	DR. V. A. O. LAMPTEY
<b>Sectional Co-ordinators</b>	-	FRENCH – DR. W. K. AZANKU
	-	RUSSIAN – DR. A. G. NASSER
	-	SPANISH – MR. L. K. ADRA
	-	SWAHILI - HAMIDA HARRISON (MRS.)

### **On-going Research/Project/Publications**

#### **Jatoo-Kaleo, B. A.**

- Doctoral research work: “The Critique of the New Masters in the Novels of Alioum Fantouré, Sony Labou Tansi an Ahmadou Kourouma”.

#### **Asaah, A.**

- Literature and Tradition
- Feminist Literature
- The Sacred and the Profane

#### **Badasu, C. K. M.**

- The Study of Style in Novel  
Le Chef – d’ oeuvre “(Forthcoming in Papers in Modern Language).

#### **Azanku, W.K.**

- French Curricula in Ghanaian Universities
- Mimesis in Poetry: Hugo and Diop Selected Poems.

#### **Bokomi, B. K.**

- An Evaluation of functional French in Ghana

#### **Lamprey, V. A. O.**

##### **Books (Almost complete)**

- “Cognitive Creativity and Anthological Dynamism in Negrista Poetry: a case in point”
- Preparing revised second edition of “Comprehensive course in Spanish Grammar, translation and Stylistics”

#### **Woode, Adwowa**

- “Latin-American and Caribbean Literature: Its expression and Socio-Political Relevance to the Modern World”

#### **Adra, L. K.**

- Comparative Studies on 20th Century Literature.
- Albert Camus and Camilo José Cela: Two writers of the 20th Century, a comparative study (Papers in Modern Languages)

#### **Acquaye, F. A.**

- Effect of the Use of Symbolism by kezilahibi in his books: “ROSA MISTIKA AND DUNIA UWANJA WA FUJO”

## **Workshops and Seminars**

Several Workshops were organized to monitor and offer interim appraisals of the MA (Translation) Programme. Reports were compiled for subsequent workshops with Professors in Language/Translation from the University of Marc Bloch, Strasbourg, France.

The Departmental fortnightly Seminars resumed with a marked increase in papers and collective fervor. Some of the papers presented were collated for subsequent publication in the Departmental Journal "Papers in Modern Languages"

Head of Department and Sectional Coordinators attended a series of workshops envisioned to improve teaching methodologies and logistics within the scope of the University and Departmental Corporate Strategic Plan. Individual lecturers presented papers in workshops and seminars outside the Department.

## **Benefaction**

1. The Department received a kind promise of an offer from the German Embassy to help establish a German Section in the Department, and this would be, by way of provision of faculty and other logistics.
2. The French Embassy provided funds for the connection of Departmental network in the Annex to the University Server.
  - It greatly sponsored activities of the French Club in and outside the campus.
  - It continued to offer grants for the training of lecturers in France in the field of "French for Specific Purposes", an area of growing interest in the Departmental curriculum.
3. The French, Spanish and Egyptian Embassies continued to offer Technical Assistants in Language and Literature for their respective Language Sections in the Department.

## **DEPARTMENT OF STUDY OF RELIGIONS**

### **Overview**

The past academic year (2003/2004) saw the departure of Dr. Rabiatu Ammah Koney on sabbatical leave and the return of Rev. Prof. Elom Dovlo from leave. Rev. Brandford Yeboah continued to be on study leave. Rev. Abamfo Atiemo joined Hajj. Mnmuni Sulemana as senior members. They are also Ph.D. candidates in the Department.

With regard to the other staff of the Department, Mrs. Gertrude Kumaga was transferred from the Department and Miss. Leticia Laryea, Administrative Assistant, returned to post from her study leave. Mrs. Ruth Laryea, our Library Assistant, remained a temporary appointee.

In the past academic year, the Department continued to offer courses in the Diploma, Undergraduate and Postgraduate programmes. A number of M. Phil. candidates in the Department successfully completed their studies. In line with its strategic plan, the Department started running its redesigned courses at all levels and for all programmes. It also initiated action to run a Sandwich M. A. programme during the long vacation.

In the context of the Religions Students' Association of Ghana (RESAG), students of the Department contributed significantly towards the life and work of the Department.

On the whole, members of the Department offered their services in various ways to communities and bodies outside the University.

### **Extension Work**

The Department continued to be the focal point for the co-ordination of the University affiliation activities of six Seminaries and Colleges. Other affiliation activities that the Department participated in involved the Methodist University College, the Catholic University College and the Islamic University College. The Department also continued to teach at the Accra City Campus.

### **Staffing Position**

The full-time staff of the Department stands at twelve (12). One part-time lecturer took some courses in the Department; we are yet to meet our staff needs in certain areas of specialization. Our problems in such areas as lack of office-space and small library size remain unsolved.

### **Student Numbers**

DIPLOMA I	-	50
DIPLOMA II	-	44
LEVEL 100	-	1016
LEVEL 200	-	742
LEVEL 300	-	302
LEVEL 400	-	120
LEVEL 600 Pt. I	-	9
LEVEL 600 Pt. II	-	5
PH.D	-	10
<b>TOTAL</b>		<b>2288</b>

## **Research**

### **Atiemo, A. O.**

- Continued to work on Ph.D. Thesis; Topic: "Religion and Human Rights: Towards the Inculturation of Human Rights in Ghanaian Society."

### **Omenyo, C.**

- Continued to research Ecclesiological Trends in Ghana.
- Basel Mission activities in Ghana.
- Developments in the Charismatic/Pentecostal Renewal.

### **Quarshie, B. Y.**

- Continued to research theologizing on the basis of mother tongue Scriptures as a key to the Contextualisation of Christianity in Africa.

## **Conferences, Seminars and Workshops**

### **Agbanu, H. L. K.**

- African Association for the Study of Religions (AASR) Regional Conference, GIMPA and University of Ghana, Legon, 5–8 February, 2004. Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa.
- The second Faculty of Arts Colloquium, Institute of African Studies, University of Ghana, Legon, 5–6 May, 2004. Theme: Globalization and the Humanities.
- West African Association of Theological Institutions (WAATI) Biennial Conference, Theological College of Northern Nigeria, Bukuru, Jos, Nigeria, 31 July –7 August, 2004. Theme: "Globalization, Information Technology and Theological Education in Africa". (Editor of Proceedings).

### **Amenga-Etego R.**

- African Association for the Study of Religions (AASR) Regional Conference, GIMPA and University of Ghana, Legon, 5–8 February, 2004. Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa. Paper presented: "The Church Among the Poor".
- ISODEC/Christian Aid-UK in collaboration with the Department for the Study of Religions, University of Ghana, Legon, Consultation on "Religion, A Vital Resource for Peace with Justice," IAS, Legon, 11–12 March, 2004. Co-organizer.
- The second Faculty of Arts Colloquium, Institute of African Studies, University of Ghana, Legon, 5–6 May, 2004. Theme: Globalization and the Humanities. Paper presented: "The Interplay of Traditional and Modern Concepts of Health".
- Third Annual Conference of the Historical Society of Ghana, University of Ghana, Legon, July, 2004. Theme: Traditional and Modernity in Ghanaian Urbanization. Paper Presented: "urbanization and Women in Northern Ghana".
- Network for Women's Rights in Ghana (NET), Report on the Status of Women in Ghana and the Beijing Plus 10 drafting team, University of Ghana, Institute of African Studies (IAS) Legon, August 2004. Paper presented: "Law, Culture and Religion".

**Amoah, Elizabeth**

- Pan-African Research Group Work (Princeton, New Jersey, 10 July – 30 July, 2004). Theme: Religion and Poverty.
- ISODEC/Christian Aid-UK in collaboration with the Department for the Study of Religions, University of Ghana, Legon, Consultation on “Religion, A Vital Resource for Peace with Justice,” IAS, Legon, 11–12 March, 2004. Paper Presented: “Peace and Social Justice in the Traditional Setting”.

**Atiemo, A. O.**

- African Association for the Study of Religions (AASR) Regional Conference, GIMPA and University of Ghana, Legon, 5-8 February, 2004, Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa. Paper presented: “International Human Rights, Religious Pluralism and Chieftaincy in Ghana.”

**Dovlo, E.**

- Symposium on Muslims and Christians in Ghana, organized by Islamic University College of Ghana, Accra, 1 May, 2004. Paper presented: “Muslims and Religious Pluralism in Ghana”.
- “The Calling to Overcome Violence” Consultation on Overcoming Violence: Churches Seeking Reconciliation and Peace. Abetifi Kwahu, Ghana, 11-14 May, 18–21 May, 2004, (See Report on Consultation on Overcoming Violence, pp. 13–24).
- African Association for the Study of Religions (AASR) Regional Conference, GIMPA and University of Ghana, Legon, 5–8 February, 2004. Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa.
- Public Lecture Marking Name Celebration of the Global Evangelical Church, GNAT Hall, Accra, 5 December, 2003. Theme: “The Church in Africa and Globalization”.
- Lay Training Centers Workshop, Ramseyer Training Centre, Abetifi Kwahu, Ghana, 16 November, 2003. Paper presented: “New Perspectives on Lay Training and Church Management: Coordination of Ministries”.
- Meeting of the Sub-Saharan Section, Dutch Ministry of Foreign Affairs, The Hague, Netherlands, 19 May, 2003. Paper presented: “Religion, Civic Society and Development in Africa”.
- IIMO Study Day, 7 May, 2003. Theme: Intercultural Theology and the Development of New Church Forms in Africa and Latin America. Paper presented: “African Culture and Emergent Church Forms: Intercultural Exchange in Ghana”.

**Ganusah, R.**

- Pan-African Conference on HIV/AIDS; organized by “The Circle of African Women Theologians”, Institute of African Women in Religion and Culture, Trinity Theological Seminary, Legon, 4–9 October, 2003. Paper presented: “Theological, Cultural and Ethical Resources to Face the Challenges of the HIV/AIDS Pandemic: An African Christian Reflection”.
- Muslim and Christian Workshop on Faith and Development; organized by

“World Faiths Development Dialogue”, Jefkings Palace Hotel, Accra, 28–29 October, 2003. Paper presented: “Christianity and Development as Exemplified by the Churches in Ghana”.

- African Association for the Study of Religions (AASR) Regional Conference, GIMPA and University of Ghana, Legon, Ghana. February 5–8 February, 2004, Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa.
- The second Faculty of Arts Colloquium, Institute of African Studies, University of Ghana, Legon, 5–6 May, 2004. Theme: Globalization and the Humanities.

#### **Omenyo, C.**

- Imperial Culture in Countries without Colonies: Africa and Switzerland, Basel, Switzerland, October, 2003. Paper presented: “Legacies of the Basel Mission in Ghana Revisited”.
- African Association for the Study of Religions (AASR) Regional Conference, GIMPA and University of Ghana, Legon, 5–8 February, 2004. Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa.
- World Alliance of Reformed Churches, General Council Meeting, Accra, August, 2004. Paper presented: “Ecumenical Implications of the Pentecostal/Charismatic Movement for the Reformed Family”.

#### **Quarshie, B. Y.**

- African Theological Fellowship West African Consultation on “Contemporary Challenges for Christian Theological Formation in Africa,” ACMC, Akropong, 1–3 September, 2003. Paper Presented: “Implications of the Keynote Address for Biblical Studies”.
- African Association for the Study of Religions (AASR) Regional Conference, GIMPA and University of Ghana, Legon, 5–8 February, 2004. Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa.
- ISODEC/Christian Aid-UK in collaboration with the Department for the Study of Religions, University of Ghana, Legon, Consultation on “Religion, A Vital Resource for Peace with Justice,” IAS, Legon, 11–12 March, 2004.

#### **Sulemana, H. M.**

- Workshop on Co-existence: The Key to Peace and Development in Africa, organized by Inter Faith Action for Peace (IFAPA), Freedom Hotel, Ho, 2–25 June, 2004. Paper presented: “Co-Existence for Peace and Development – A Muslim Perspective”.
- ISODEC/Christian Aid-UK in collaboration with the Department for the Study of Religions, University of Ghana, Legon, Consultation on “Religion, A Vital Resource for Peace with Justice,” IAS, Legon, 11–12 March, 2004. Paper Presented: “Islam – Peace and Social Justice”.

#### **Publications**

##### **Amoah, E.**

- *Too Painful to Tell: Women of Faith against Domestic Violence*, edited by Elizabeth

Amoah and Rabiātu Ammah. Accra: Sam Woode Ltd. 2004. Poems of Mercy Amba Oduyoye, edited by Elizabeth Amoah. Accra: Sam Woode Ltd. 2004.

**Dovlo, E.**

- “Religion & Politics in Africa: The Ghanaian Case” in Samuel E. Quainoo (ed) *Africa Through Ghanaian Lenses*. New York: Vestal International Press, 2004, pp. 201–218.
- “New Religious Movements in Ghana” in Samuel E. Quainoo (ed) *Africa Through Ghanaian Lenses*. New York: Vestal International Press, 2004, pp. 179–200.
- “Ancestors”, Philip M. Peek & Kwesi Yankah, *African Folklore Encyclopedia*. Routledge, 2004, pp. 1–3.
- “Cosmologies”, Philip M. Peek & Kwesi Yankah, *African Folklore Encyclopedia*. Routledge, 2004, pp. 72–73.
- “African Culture and Emergent Church Forms in Ghana”, *EXCHANGE*, Vol. 33, No. 1, (2004), pp. 28–53.
- “Civil Religions in Ghana”, *ORITA*, Ibadan Journal of Religious Studies, XXXV/ 1–2 June & December 2003, pp. 36–56.
- Elom Dovlo & Alfred Ofosu-Asante, “Reinterpreting the Straight Path: Ghanaian Muslim Converts in Mission to Muslims”, *EXCHANGE*, Vol. 32, No. 3, pp. 214–238.
- Elom Dovlo & Samuel Sondah, “Singing the Lord’s Song in a Strange Land, Christianity among Liberian Refugees in Ghana”, *The Edinburgh Review of Theology and Religion*, Vol. 7.2, 2001, pp. 199–218. (Journal published in 2003).
- “Christianity, Nation Building and National Identity in Ghana: Religious Perspectives”, James, L. Cox and Gerrie Ter Haar, *Uniquely African? Africa Christian Identity from Cultural and Historical Perspectives*. NJ: Africa World Press, Inc., 2003, (Chapter 8, pp. 181–192).

**Ganusah, R.**

- “Theological Cultural and Ethical Resources to Face The Challenges of the HIV/AIDS Pandemic: An African Christian Reflection” in *Trinity Journal of Church and Theology*, Volume XIV, July 2004, Number 2, Accra: Sonlife Press. Pp. 45–54.

**Omenyo, C.**

- “The Light of God in the Historical Evolution of the Presbyterian Church of Ghana” in *Come Let us Walk in the Light of the Lord: Reflections at the Third General Assembly of the Presbyterian Church of Ghana, 2003*. Accra: Waterville Publishing House, 2004. ISBN 9964-5-0277-X, pp. 10–30.
- The following entries in Peter Clarke (ed.), *Encyclopedia of New Religious Movements*, New York/London: Routledge Taylor & Francis Book Ltd. ISBN 0415 267072 (forthcoming):
  - “Azusa Street Revival”
  - “Christ Apostolic Church”
  - “Church of Twelve Apostles”
  - “Faith Tabernacle Church”
  - “Harris, William Wade”

## **Quarshie, B. Y.**

- "The Changelessness of God and the Fact of Change" in *Advancing the Cause of Christ in Change: Reflections at the First General Assembly of the Presbyterian Church of Ghana, 2001*. Accra: Waterville Publishing House, 2004. ISBN 9964-5-0276-1, pp. 7-15.
- "Introduction" in *Cry Justice: A Compilation of Messages, Addresses, Resolutions, Statements and Communiqués Issued by the Synod now General Assembly of the Presbyterian Church of Ghana to Various Governments of Ghana*, Public Relations Unit, Presbyterian Church of Ghana, n.d. ISBN 9988-0-2258-1, pp. 14-20.

## **Sulemana, H. M.**

- "Religion and Transformation in West Africa" *ISIM Newsletter*, 14, June 2004.
- "The Relevance of Arabic and Islamic Education in the Ghanaian Muslim Child" *Nigerian Social Science Review*, Vol. 6 No. 1, April 2004, pp. 82-103.

## **Benefactors**

- Rev. Francis Antwi Boasiako: Different versions of the Bible.
- Dr. Werner Kahl: Book.
- Dr. Jan G. Platvoet: Books.
- Prof. Gerrie Ter Haar: Books.
- Dr. (Mrs.) Dorcas Akintude: Books.
- Prof. Holger Weiss: Books.
- Prof. Mercy A. Oduyoye: Books

## FACULTY OF LAW

### Overview

The year under review was another good year in the life of the Faculty. Besides smooth academic and non-academic work in the Faculty during the period, the Faculty and its members were involved in a number of activities that sought to strengthen the position of the Faculty as an enviable hub in Africa for legal scholarship and training. To this end, the Faculty received a number of international students from both within and outside Africa, and lecturers from universities that have link programmes with the Faculty. In addition, individual members of the Faculty experienced further impetus or honour in their academic or professional life.

In March, 2004 the Faculty held a retreat in Ho to continue with the process of finalizing its draft Strategic Plan. The Plan seeks to make the Faculty the leader and the preferred destination in Africa for legal training and scholarship. The Strategic Plan has been finalized and it is expected to be approved for adoption by the Faculty Board.

Professor Nii Ashie Kotey was elected the Dean of the Faculty. Dr. Raymond Atuguba was awarded a Doctor of Juridical Science (SJD) degree by Harvard Law School. His SJD dissertation was titled "*Institutional Continuities: the Police in the Regulation of Public Order and Alcohol*". Further, Mr. Robert Nii Arday Clegg was the best graduating student in Law for the year under review and will receive the Kwamena Bentsi-Enchill Prize at this congregation.

In further strengthening the international standing of the Faculty, Dr. Rosemary King, an alumna of the Faculty but now with Queens University in Canada was a Visiting Scholar in the Faculty during the year under review. Three foreign students from the United States, the Gambia and Nigeria completed the LLB programme in 2004. Also, six students from the Faculty of Law, University of Pretoria, South Africa spent five months at the Faculty. They conducted research and did their dissertations for their LLM degrees in Human Rights and Democratization in Africa. The students were also attached to human rights institutions such as the Commission for Human Rights and Administrative Justice (CHRAJ) and the International Federation of Lawyers (FIDA) to benefit from practical experience in human rights work and training.

### Honours

Professor H.J.A.N. Mensa-Bonsu was elected a Fellow of the Ghana Academy of Arts and Sciences, and inducted into the Academy on 17th November, 2003.

## **Link Programmes**

The Faculty maintained her links with the University of Leiden, Queens University, Belfast, the University of Nottingham and Northwestern University Law School.

Mr. E.Y. Benneh visited the University of Leiden from 17 January to February 28, 2004

Professor Nii Ashie Kotey visited the University of Nottingham from 31 March to 13 April, 2004.

Mrs. Christine Dowuona-Hammond visited Northwestern University Law School from May 1-16, 2004.

Mr. G.A. Sarpong visited the University of Nottingham from 15 May to 2 June, 2004.

These lecturers from the Faculty had the opportunity to teach and to conduct research in the above Universities.

On the other hand, the Faculty also benefited from the visits of lecturers through the Link Programmes. Visiting lecturers held lectures and organized workshops for members of the Faculty.

Alex Magaisa and Ms Sope Williams from Nottingham University School of Law visited the Faculty from 24-31, March 2004.

Dr. Paolo Galizzi from the Imperial College, University of London visited the Faculty from 31 March to 5 April, 2004. He used the visit to deliver lectures on topics such as

1. The World Trade Organization;
2. Overview of the International Economic System; and
3. Trade and the Environment

Dr. Joseph Mwaura from Queens University, Belfast also visited the Faculty from 27 April to 10 May, 2004.

Dr. Dorothy M. Farisani, from the University of Kwa Zulu Natal, South Africa visited the Faculty in August 2004. She gave a lecture on "Corporate Criminal Liability in South Africa" to members of the Faculty.

Philip Postlewaite and Alison Christians from Northwestern University Law School visited the Faculty from 30 November to 10 December, 2003. They held a workshop on "Negotiation and Mediation Skills" for members of the Faculty and the wider legal community.

Professor Cynthia Bowman, Lynn Cohn, Cheryl Graves, Tom and Diane Gerathy and Chris Simoni, all from Northwestern University Law School visited the Faculty

in December for the final review meeting of the Northwestern Law School/ University of Ghana Link Programme.

## **The Partnership Between The Faculty And Northwestern University Law School**

The partnership between the Faculty and Northwestern University Law School which began in 1999 came to an end during the year under review. A final review workshop was held on December 15-16, 2003 at the Miklin Hotel, Accra. The link ended on a positive note with the launching of a book, " *Women and Law in Sub-Saharan Africa*", edited by Professors Akua Kuenyehia and Cynthia Bowman. The two Faculties also organized a two-day workshop on "Negotiation and Mediation Skills" for the Faculty and selected members of the Ghana Bar and judiciary. The workshop was well-attended and beneficial to the participants.

The link between the Faculty and Northwestern was to a large extent beneficial to both parties. Some of the targets achieved during the period include the following:

1. The development of a curriculum on the rights of women and children;
2. The dissemination of innovative teaching methods;
3. The development of outreach programmes in civic education involving Ghanaian law students;
4. The development of the resources of law libraries in Ghana to support teaching and research;
5. Facilitating access by the Faculty to research facilities of Northwestern University;
6. The undertaking of legal reform and research in areas of law important to Ghanaian legal and social development ; and
7. The inclusion of an international component to the law curriculum on Gender and the Law at Northwestern Law School.

## **Courses Offered**

The Faculty offered courses at the LLB and LLM levels. Courses offered for the LLM included International Trade and Investment Law, Environmental Law and Immovable Property Law.

## **Students**

The following constituted the number of students at the three levels of study in the Faculty:

Level 300	-	90
Level 400	-	86
LLM	-	8
<b>Total</b>		<b>184</b>

## Staffing Position

Associate Professors	-	5
Senior Lecturers	-	5
Lecturers	-	4
Assistant Registrar	-	1
Assistant Librarian	-	1
Senior Staff	-	8
Junior Staff	-	11

## Publications

Members of the Faculty continued to publish. Below is a list of publications by some Senior Members.

### Kotey, N. A

- With Ellen Bortei-Doku Aryeetey, "Household Patterns and Conjugal Rights" in Akua Kuenyehia, (ed.) *Women and Law in West Africa Gender Relations in the Family – a West African Perspective*. WALWA, Accra. pp. 71-80.

### Mensa-Bonsu, H. J. A. N.

- "Economic Crime, the Criminal Law and the Criminal Justice System" (Part II), *Banking and Financial Law Journal* Vol. 2 No.1 January – March 2004, pp.191-213.

### Sarpong, G. A.

- "The Role of National Courts in the Implementation of International Environmental Law: Some Food for Thought". Proceedings of the 13th Triennial Conference of the Commonwealth Judges and Magistrates Association, (Malawi, August, 2003) pp.56-61.
- "The State of Environmental Law in Ghana" Paper presented at the Symposium of Environmental Law Lecturers from African Universities, - (Nakuru, Kenya, 29 September -2 October, 2004) pp.47. To be published as part of the proceedings.

### Atuguba, R.

- Julius N. Fobil and Raymond A. Atuguba, "Ghana: Migration and the African Urban Complex" in Toyin Falola and Steven J. Salm, (Eds), *Globalization and Urbanization in Africa*, (Africa World Press Trenton, NJ, spring 2004), pp. 249-269.

## Conferences And Conference Papers

### Nii Ashie Kotey

- *Harmonizing the Interests of various Stakeholders in Land Development*. Presented at the Workshop on Land Holding Systems and their Effects on

- Investment and Development, Samreboi, Ghana, 8–11 July, 2004.
- With M. Ruenger, *Legal Pluralism and Legitimate Control Over Land: The Test of the Vulnerable Groups in the Land Tenure Reform of Ghana*. Presented at the *Eschborner Fachtag 2004* on Good Governance – State and Society Shaping Development, Eschborn, Germany, and 15–16 June, 2004.
- Africa Regional Conference on Legal and Judicial Reform to Promote Improved Women’s Rights in Land and Family Law within Plural Legal Systems, Accra, Ghana, 10–12 February, 2004. As Theme Coordinator for the Working Group on Property Rights and Social Security, Identified and invited participants, called for and edited papers, moderated and facilitated the sessions and drafted and presented the report on the sub-theme.
- With S. Minkah-Premo and M. Ruenger, *Legal Pluralism, Living Law and Legal Reform: Lessons on Legal Effectiveness from the Ghana ‘Gender and Law Project’*. Presented at the Africa Regional Conference on Legal and Judicial Reform to Promote Improved Women’s Rights in Land and Family Law within Plural Legal Systems, Accra, Ghana, 10–12 February, 2004.
- Workshop on the 1992 Constitution and Economic Liberalism in Ghana, organized by the Center for Democratic Development (CDD – Ghana), Mankessim, Ghana, 16–18 October, 2003.

#### **Mensa-Bonsu, H. J. A. N.**

- “Responsible Fatherhood – the challenges of our time” – presented to Seminar of Union of Methodist Men’s Fellowships to commemorate 20th Anniversary Celebrations, Accra, 18 April, 2004.

#### **Quashigah, E. K.**

- “Review of the Convention on the rights of the Child as it Relates to Ghana”, Commissioned Work for UNICEF – August 2004.
- “Ghana’s Electoral Laws in Perspective” – Paper presented at Workshop on Electoral Adjudication for High Court Judges, Ho, 3–5 October 2004.
- “The Indemnity Clauses in the 1969, 1979 and 1992 Constitutions of Ghana: Their Scope, Function, Effect and Impact on the Issue of Impunity”, Commissioned paper submitted to the National Reconciliation Commission, 2 September, 2004.
- “The National Identification Authority Bill: The Independence of the Authority”, Paper presented at Workshop on the National Identification Bill, Accra, 8 September, 2004.

#### **Sarpong, G.A.**

- 13th Commonwealth Judges and Magistrates Association (CMJA), Triennial Conference, Malawi, 24–29 August, 2003 at the invitation of the CMJA. Delivered a Paper titled, “The Role of National Courts in the Implementation of International Environmental Law: Some Food for Thought”. Published as part of the Proceedings.
- UNEP-GEF Bio-safety Sub-Regional Workshop on Developing a Regulatory Regime and Administrative Systems for National Bio-safety Frameworks for

- Anglophone African Countries, Dar-es-Salaam, Tanzania, 9–12 March, 2004.
- Visiting Scholar, Nottingham University under the British Council sponsored Link between the University of Ghana and Queens, Belfast and Nottingham Universities on International Law on Sustainable Development, 13–27 May, 2004.
- Workshop on Southern Perspectives on the European Union's External Dimensions Strategy organised by the Regional and International Networking Group (The RING) and Capacity Building International, Germany (INWENT), Maputo, Mozambique, 7 to 8 June, 2004.

#### **Atuguba, R. A.**

- Governance and the Parliamentary Process. Paper Presented at Training Programme on Parliamentary Advocacy Organised by the Cooperative League of the United States of America/Government Accountability Improves Trust (CLUSA/GAIT) for Civic Union Leaders and Facilitators at the Institute of Local Government Studies, 19 – 21 April, 2004.
- Memorandum on the Electricity Supply and Distribution (Technical and Operational) Rules, 2004 (L.I 1789) Presented to the Parliamentary Committees on Subsidiary Legislation and Energy, 8 July, 2004, (together with Godwin Adagewine, Shamima Muslim, and Saani Ibrahim).
- Memorandum on the Long Term Savings Plans Bill, 2004, Presented to the Finance Committee of Parliament, 15 July, 2004, (together with, Abdul Baasit Abdul Aziz Godwin Adagewine and Shamima Muslim).
- Systems Advocacy in Ghana. A presentation at a Training Programme on Child Rights, Networking and Advocacy Skills for Staff of Plan International-Ghana, August, 2004.

### **Reports**

#### **Sarpong, G. A.**

- Survey Report on Existing Legislation and Legal Instruments Related to Biotechnology in Ghana- June 2003, pp.113 (ISBN 9988/8274/1/5).
- Strengthening the Food Control System in Guyana. In FAG/Government of Guyana Project on Food Safety, April, 2004, pp. 143.

### **Faculty Library**

The library witnessed a period of relative growth in the stock and physical infrastructure. Most of the gaps in the government documents have been filled. More computers were acquired for the library and the online bibliographic catalogue is being developed steadily.

The library year we received books in donations and gifts from people and organizations like The British Council, Friedrich Ebert Stiftung, The Institute of Economic Affairs, Accra, Ghana, Raoul Wallenberg Institute of Human Rights and Humanitarian Law, Centre for Human Rights, University of Pretoria, and

Commission on Human Rights and Administrative Justice. Other donations came from Professor G.K. Ofofu Armah, Mrs. Estelle Appiah's Family, Dr. H.A. Amankwah, James Cook University, Professor Philip Postlewaite, Northwestern University School of Law, Professor John Baloro, Faculty of Law, Vista University, Bloemfontein, Professor John Ademolah Yakubu, University of Ibadan and Mr. Obong Lawrence Iyoho of Akwa Ibom State, Nigeria. We also received some donations from some Lecturers of the Faculty.

Mr. Emmanuel Mensah Darkey, the Librarian attended a training course on Human Rights Information and Documentation for Librarians and Documentalists, from January 26 to February 6, 2006 at the Raoul Wallenberg Institute of Human Rights and Humanitarian Law, Lund University, Sweden.

## **Conclusion**

Within the year under review, the Faculty made great strides in its march towards further international recognition as the leader in Africa for legal scholarship and training.

# FACULTY OF SCIENCE

## DEPARTMENT OF BIOCHEMISTRY

### Overview

The Department continued to teach and conduct research in diverse areas of biochemistry despite the lack of equipment, chemicals and teaching aids. The long-standing constraint of laboratory space eased considerably when level 300 practicals were moved to two laboratories in the old Chemistry building. Collaboration with Diversa Corporation, San Diego, USA on Molecular Biology research, and with the Ghana Standards Board continued. The Department obtained permission to institute the Alida Nel Academic prize for the best level 300 biochemistry student. Dr. Alida Nel, who taught in the Department for two years, donated her entire salary for the period to the Department.

### Courses Offered

The Department offered courses leading to the award of B.Sc., M.Phil. and Ph.D. Courses were offered in such areas as intermediary metabolism, enzymology, separation methods, integration and control of metabolism, introduction to molecular biology, principles and applications of biotechnology, and biochemistry of hormones.

### Student Numbers

Admissions were as follows:

Level 200		
	(students from the Faculty of Agriculture)	201
Level 300	-	253
Level 400	-	40
Level 600	-	12
Level 700	-	2

### Staffing position

The breakdown of staff at post was:

- 2 Associate Professors
- 6 Senior Lecturers
- 2 Lecturers
- 1 Part-time lecturer
- 5 Senior Staff
- 8 Junior Staff

Out of this number two lecturers were on study leave.

### Research Activities

Faculty members continued to conduct research in the following areas:

- Biochemical analysis and transformation of agricultural by-products
- Molecular Biology:
  - of parasites
  - identification of plant and microbial species
  - use as a diagnostic technique for delivery of disease-free planting materials
  - diagnosis, monitoring and evaluation of schistosomiasis and lymphatic filariasis.
- Medicinal Plants:
  - modes of action and possible toxicity of anti-asthmatic
  - anti-inflammatory, anti-diabetic, anti-anaemic and anti-malarial plant extracts
  - chemistry and insecticidal activity of secondary metabolites from plants; anti-fungal and anti-bacterial actions of 'Fungus Tea'.
- Drugs: potency and resistance.
- Safety evaluation of some Ghanaian alcoholic beverages.
- Immunology of parasites.
- Water quality analysis
  - microbial content
  - characterization of bacteria and their plasmids in drinking water.
- Toxicity of pesticide residues in agricultural produce.
- Biochemistry of insect-induced diseases of plants.

### Conferences/Seminars/Workshops

All members of staff actively participated in the 14th Annual Faculty of Science Colloquium, June, 2004.

### Publication

#### Adamafio, N.A.

- Adamafio, N.A (2003). Alterations in adipose tissue metabolism in genetically GH-deficient little mice. *J. Ghana Sci. Assoc.* 5 (2): 17-26.
- **Adamafio, N. A.** & Janha, R. (2004). Lignin, Cellulose and Hemicellulose levels in selected crop residues. Proc. 14th Annual Faculty of Science Colloquium, University of Ghana.
- **Adamafio, N. A.** & Quaye, J. (2004). Determination of levels of tannins in cocoa pod husks from three major varieties of cocoa grown in Ghana. Proc. 14th Annual Faculty of Science Colloquium, University of Ghana.

#### Gbewonyo, W.S.K.

- S. Adjei-Boateng, D. Obeng-Ofori, **W. S. K. Gbewonyo** and D. Wilson (2003).

Efficacy of neem biopesticides for the management of mealybugs, *Dysmicoccus* spp. and mealybug associated pineapple wilt in Ghana. Ghana Journal of Horticulture 2, 92.

## **Benefaction**

Central Connecticut University donated two used computers to the department during the year under review.

## **DEPARTMENT OF BOTANY**

### **Overview**

The Department continues to promote botanical research and to train young graduates in various fields of Botany. The Department offered extension services, including identification of botanical specimens, to various departments in the University and to many public organizations (e.g., Food and Drugs Board and Standards Board) in the country.

### **Courses Offered**

The Department runs courses in plant biology at Levels 100 and 200. At levels 300, 400 and the graduate level the programmes offered cover the fields of Taxonomy and Ethnobotany, Ecology, Physiology, Mycology, Anatomy, Aquatic Botany and Genetics and Plant Breeding.

\* The part-time lecturers include the 2 Emeritus Professors

### **Student Numbers**

The breakdown of student numbers for the year under review was as follows:

Level 100	-	578
Level 200	-	554
Level 300	-	142
Level 400	-	27
MPhil I	-	0
MPhil II	-	3
PhD	-	8
<b>Total</b>		<b>1312</b>

### **Staffing Position**

The department has 16 members of faculty, 13 technical staff and 7 administrative staff. The details are as shown below. Four lecturers and one senior Research Fellow are on local study leave. One senior lecturer is on sabbatical leave.

Emeritus Professor	2
Professor	1
Associate Professor	1
Senior Lecturer/Research Fellow	6
Lecturer/Research Fellow	5
Part-Time Lecturer	3*
Senior Staff	9
Junior Staff	11

Considering the student numbers particularly at levels 100 and 200 the number of technical staff in the department is inadequate. Efforts must be made to address this in the coming years by providing technical staff with opportunities for academic progression so as to retain old staff and attract new ones.

## Research

Faculty research spans a wide range of subjects. Individual research areas are indicated below:

### Laing, E.

- Genetics and heritability of cowpeas (*Vigna unguiculata* Walp)
- Floral reproductive biology

### Clerk, G. C.

- Ultrastructure, reproduction and physiology of fungi

### Odamtten, G. T.

- Post-harvest pathology and conservation
- Anti-microbial compounds in higher plants as control agents for plant pathogenic fungi
- Fungal biodiversity and fungal biotechnology
- Edible and poisonous mushrooms in Ghana

### Enu-Kwesi, L.

- Ecophysiology of useful plants of Ghana including the autecology of some timber species in Ghana
- Seed biology – dormancy and germination studies
- Biodiversity and tree-crop compatibility studies

### Acheampong, Elizabeth

- In vitro multiplication of plantain, cocoyam and other root tubers
- In vitro multiplication of pineapples for commercial production
- Cryopreservation studies

### Ameka, G. K.

- Biology, ecology and taxonomy of aquatic plants (marine macro-algae and freshwater macrophytes).

**Amoah, Cecilia**

- Water quality and biological components of sewage

**Markwei, Carol**

- Studies on mineral nutrition of *Vigna subterranea*
- Biodiversity studies

**Adomako, J. K.**

- Ecology and reproductive biology of rheophytes
- Forest dynamics
- Ecology of coastal ecosystems

**Asante, I. K.**

- Population, quantitative and molecular genetics of cowpea and cassava
- Plant breeding

**Yankson, Mary**

- Regeneration of some ornamental plants
- Studies on some diseases of ornamental plants

**Annang, T.Y.**

- Managing aquatic plant proliferation in the Lower Volta Basin
- Ecology of freshwater algae in the Densu River basin

**Owusu, E.**

- Mycology and post-harvest pathology

**Essilfie, M. K.**

- Systematic botany and plant conservation

**Vordzogbe, V. V.**

- Plant ecology; post-fire forest regeneration and conservation

**Adomako, Eureka E.**

- Agroforestry, conservation biology and restoration ecology

**Projects**

The department welcomes collaborative project initiatives from industry and private organizations. Projects being undertaken currently include:

The African Plants Initiative. The African Plants Initiative (API) Project seeks to digitise African Plant Types in major Herbaria in N. America, Europe and Africa.

The Northern Savanna Biodiversity Conservation Project (NSBCP) under which the Department is involved in the establishment of the Savanna Herbarium.

## Recent Publications

- Cheek, M., **Ameka, G. K.**, Swaine, M. D. & **Adomako, J. K.** (2003) African Rheophytes: a monograph. A Poster presentation at the 17th AETFAT Congress, AAU, Addis Ababa, Ethiopia, 21–26 September, 2003.
- **Ameka, G. K., Clerk, G. C.**, Pfeifer, E. & Rutishauser, R. (2003). Developmental morphology of *Ledermanniella bowlingii* (Podostemaceae) from Ghana. *Plant Syst. Evol.* 237 (3–4): 165–183.
- **Ameka, G. K.** (2003). The Morphology, Taxonomy and Distribution of the Podostemaceae in West Africa. *West African Journal of Applied Ecology* 2(2): 23–33.
- **Ameka, G. K. & Clerk, G. C.** (2003). Podostemaceae (river-weed) family in Ghana. *Journal of Natural Sciences* 2 (2): 121–139.
- John, D. M., Lawson, G. W. & **Ameka, G. K.** (2003) *The Marine Macroalgae of the Tropical West Africa Sub-region*. Nova Hedwigia, Beiheft 125. Gebr. Borntraeger, Stuttgart.S
- Danquah, E. Y., Offei, S. K. Blay, E. T. and **Asante, I. K.** (2003). Genetic polymorphism in accessions of cocoyam (*Xanthosoma sagittifolium* L. Schott) from Eastern and Volta Regions of Ghana. *Ghana Journal of Horticulture* Vol.2: 1–10.
- **Asante, I. K.** and Offei, S. K. (2003). RAPD-based diversity study of fifty cassava (*Manihot esculenta*, Crantz) genotypes. *Euphytica*. 131: 13–119.
- **Asante, I. K., Laing, E.**, Danquah, E.Y and Offei, S. K (2003). Genetic structure at the isocitrate dehydrogenase and malate dehydrogenase enzyme loci in cowpea (*Vigna unguiculata* (L). Walp) accessions. *Ghana Journal of Agricultural Science*. Vol. 36: 53–63.
- S. K. Offei, **I. K. Asante** and E. Y. Danquah (2003). Variation in size, protein, cyanide and tannin contents of lima bean (*Phaseolus lunatus*). *Trop. Sci.* Vol. 43:132–134.

## Conferences/workshops/seminars attended and papers presented

### **Adomako, Eureka E.**

- First National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana. 15–19 March, 2004, Accra.
- Training of Trainers Workshop organized by the School of Public Health, University of Ghana. 12–13 May, 2004, Shai Hills Hotel.
- Creating a Vision for Teaching Tomorrow's Child, Africa-America Institute's Science and Mathematics Teacher Professional Development Workshop, 17 – 28 May, 2004, Accra – Facilitator.
- Accelerating Skilled Workforce Development in Africa, A Regional Colloquium organized by the Africa- America Institute and USAID, 27–30 June, 2004, Accra.

### **Ameka, G. K.**

- XVIIth AETFAT Congress, 21–26th September, 2003 at the National Herbarium, Department of Biology, Addis Ababa University, Addis Ababa,

Ethiopia.

- First Technical Meeting/Workshop of the African Plants Initiative (API) Project, 6–10th February, 2004, at the Research Centre, Kristenbosch National Botanic Garden, Cape Town, South Africa.

#### **Asante, I. K.**

- Training of Trainers Workshop organized by the School of Public Health (University of Ghana) at Shai Hills Hotel. 12–13 May, 2004.
- Nigerian Agriculture and Biotechnology Project Advisory/Stakeholders' Meeting held at the International Institute of Tropical Agriculture. November, 22, 2003.

#### **Vordzogbe, V. V.**

- First National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana. 15–19 March, 2004, Accra.

## **DEPARTMENT OF CHEMISTRY**

### **- Overview**

The Chemistry Department continued to play a major role in the education of undergraduate students in the Science Faculty. The Department had the following student numbers at the various levels.

Level 100	551
Level 200	595
Level 300	111
Level 400	79
M.Phil Part I	2
M.Phil Part II	3
Ph.D	3

The large number of students especially in levels 100 and 200 continued to pose a major problem to the Department especially with respect to practicals.

The academic facility user fee was woefully inadequate since everything went into the purchase of chemicals making it difficult to have funds for other pressing academic needs. Lecturers continued to be overloaded because of the large number of students and this affected their research output tremendously.

The lack of basic equipment for research continued to hamper research in the department. The department had to rely on part time lecturers most of whom are

from Ghana Atomic Energy Commission.

Practical classes were usually organised around the same skill acquisition and this was due to the large student numbers and the non availability of inputs for skill training in other areas of the subject.

Student interest in the subject is picking up as could be seen in the increased number of students registering for the course at levels 300 and 400.

Some members of the department continued to serve on various boards and also as examiners of the West African Examination Council.

For the year under review the department had the following staff at post

1. Prof. Ivan Addae-Mensah
2. Prof. W. R. Phillips
3. Prof. W. A. Asomaning
4. Dr. V. K Nartey (Head of Department)
5. Dr. F. L. Phillips
6. Prof. M. Dakubu
7. Dr. C. T. Beni
8. Dr. R. K. Akuamoah
9. Dr. D. Carboo
10. Dr. L. K. Doamekpor
12. Mr. S. A. Asunka

Prof. C. K Akpabli is on sabbatical leave while Dr. K. Adaboh was away from the country for a research fellowship programme in Japan.

## **Publications**

### **Nartey, V. K., Adotey, D., Donkor, A. K., Bonzongo, J. C.**

- (2004) Mercury pollution in selected small scale mining communities in South Western Ghana. *Materials and Geoenvironment*.1:168-172.
- Nartey, V. K, A. K. Donkor J. C. Bonzongo, D.K. Adotey 'Evaluation of Mercury Contamination Due to Artisanal Gold Mining in some Communities of South Western Ghana 14th Annual Faculty of Science Colloquim, University of Ghana, Legon. 27th-28th April, 2004.
- Bonzongo J.C, A. K. Donkor, **V. K. Nartey**, and L. D. Lacerda (2004). Mercury
- Pollution in Ghana: A Case Study of Environmental Impacts of Artisanal Gold Mining in Sub-Saharan Africa, in "*Facets of Environmental Geochemistry in Tropical and Sub-tropical Environments*" Lacerda L.D. & Santelli, R.E. (eds.), Springer Verlag, Berlin, (2004). 135-156
- Donkor A.K, Bonzongo J.C, **Nartey V.K**, Adotey D. Hines M.E(2004) 'Gold mining and mercury pollution in the Ghanaian Pra river basin, West Africa' *Materials and Geoenvironment* 1: 16-20 .
- Nartey V. K., J. R. Fianko and A. Donkor (2004). Physico-Chemical Analysis of Streams on the Akwapim Ridge of Ghana. *Bulletin of Environmental Contamination and Toxicology*: 73, 2 (accepted August, 2004). Springer-Verlag

New York.

- Asomaning, W. A; F. Oppong – Boachie ; G. Duker-Eshun and S. Brogger. Antiplasmodial Constituents of *Cajanus Cajan*. *Phytotherapy Res.* 18. 128 – 130 (2004).
- Carboo, D. and J. N. Fobil. Physico-Chemical Analysis of Municipal Solid Waste (MSW) in the Accra Metropolis. *West African Journal of Applied Ecology* vol. 7 (accepted for publication).
- Carboo, D. and J. N Fobil. Evaluation of MSW for Utilization in Energy Production in Developing Countries. *International Journal of Environmental Technology and Management* (accepted for publication).
- Doamekpor, L. K.; Akpabli C. K and Asunka, S. A. Conformational Studies on some Simple Metacyclophanes. *Journal of Ghana Chemical Society* (in press).
- Oppong, I. V. *Fundamentals of Organic Chemistry* (book publication (in press)).

### **Extention Activities**

Some members of the Department continued to provide services to the various boards and institutions including.

1. Ghana Standard Board – Technical Committee
2. West African Examinations Council.
3. Ghana Atomic Energy Commission
4. Environmental Protection Agency
5. National Accreditation Board

### **Conferences, Seminars and Workshops**

Members of the department participated in various conferences and workshops. Prof. W.R Phillips attended a workshop on Knowledge Environment for Web-Based Learning (KEWL) at Legon, July, 2004.

## **DEPARTMENT OF COMPUTER SCIENCE**

### **Overview**

The Department of Computer Science continues to play a leading role in the training of middle-level skilled manpower for the country's IT industry. The opportunities and potential jobs in Computing and Information Technology in Ghana are enormous and therefore there is great deal of pressure from both fresh and continuing students on enrolment.

### **Staff Position**

There is now an improvement in the staff position in the Department. At the

moment, there are five (5) full-time Senior Members in the Department. However, the Department is assisted by one part-time Lecturer from the industry and two Visiting Scholars from China.

## **Computing Facilities**

Manpower training in Computer Science must necessarily contain substantial practical component, which should reflect the State of the Art Technology and meet the requirements of the Computer industry. Computer facilities in our Teaching Laboratories are woefully inadequate to meet the growing students demand. However, University authorities have continued to make efforts to increase these facilities.

## **Major Problem Area**

Since its inception in 1973/74, the Department of Computer Science had remained the only Department in the Faculty of Science without her own building, besides other constraints.

## **Programme**

There have been no substantial changes in the programmes that the Department offers for the BA and BSc. Degree. However, much emphasis is now being placed on the practical components of all the Courses and collaborative links are being established with the Computer industry in order to offer the appropriate manpower training and vigorous research efforts into areas in which Computer and Information Technology can best serve the needs of the nation. Notable among these new areas are Object Oriented Programming, Relational Database Management Systems and Systems Analysis, as well as Networking and Data Communication.

The Department is now offering Courses in Computer Science at first year (Level 100).

## **Enrolment Trends**

Level 100	-	265
Level 200	-	228
Level 300	-	227
Level 400	-	95

## **Service Courses**

The Department provides service courses to the following:

1. Faculty of Agriculture
2. School of Public Health
3. College of Allied Health Sciences, Korle-Bu
4. Legon Centre for International Affairs (LECIA)

## Department's Activities

The Department is recognized as CISCO Networking Local Academy and continues to train students on the skills for the Internet Economy and Networking Certification.

## Research

Senior Members of the Department continues research and consulting work in the following areas:

Aryeetey, J. A.	Lecturer	Database Information Systems Development
Odoom, I.	Lecturer	On Study Leave
Ecklu, J.	Lecturer	System Development, Data Communication & Networking
Ernest, B. B. Gyebi	Lecturer	Computer Hardware, Networking and Data Communication
Wiredu, B. S-K.	Lecturer	Computer Hardware, Networking and Data Communication, Neural Networking and Intelligent Building
Prof. Ding	Visiting Scholar	Computer Graphic
Matilda Wilson S.	Tutor	Software Engineering

## Non - Teaching Staff

2	Senior Staff
3	Junior Staff

## DEPARTMENT OF GEOLOGY

### Overview

In the 2003/2004 academic year, the Department of Geology continued to teach its programme both at the graduate and undergraduate levels. The Chair of Geo-environmental Studies continued his research activities with some members of staff on environmental related issues in the Akwatia area, looking especially at the environmental problem created as a result of illegal small-scale co-operation mining in the diamond mining area.

The departmental museum and library were refurbished with funds from the DANIDA-ENRECA Project. This has provided a congenial atmosphere and more seating places for our student in the library.

## **Students Numbers**

Level 100	-	759
Level 200	-	28
Level 300	-	36
Level 400	-	26
Level 600	-	8
Ph.D.	-	4

## **Staffing Position**

The department has a permanent teaching staff of 9 with 8 supporting junior and senior staff. Mr. Prosper Nude returned to join the teaching staff after a year study leave in Utah State University analysing data and sample for his Ph.D. thesis. Mr. Mawuli Akoto also returned to the department after a two year sabbatical leave. Dr. D. K. Asiedu proceeded to Okayama University for two year leave of absence.

Part-time lecturers still play an important role in the teaching of courses in the department. The breakdown of staff at post were:

- 4 Senior lecturers
- 5 Lecturers
- 2 Senior staff
- 6 Junior staff
- 3 Part-time lecturers

## **Research Activities**

### **Atta-Peters, D.**

- Paleoenvironmental interpretation of Cretaceous and Tertiary rocks of Ghana using palynomorphs as basis.
- Palynostratigraphical and biostratigraphical analysis of Cretaceous and Tertiary rocks in the Tano and Saltpond sub-basis in Ghana.
- Sedimentological and palynological approach to interpreting paleoenvironments of sediments from the Sekondian Group.
- Paleoclimate studies from the Paleogene of Ghana using foraminifera as basis.

### **Banoeng-Yakubo, B.**

- Hydrochemistry and groundwater recharge characteristics in the Keta basin
- Water Balance and recharge regimes of groundwater in the Densu Basin.
- Hydrochemical and isotopic characterization of some groundwaters in parts of the Eastern region.
- Hydrochemical and isotopic characterization of some rock types in the Volta region.

### **Hayford, E.K.**

- Researches on dykes and veins in the Birimian Formation. Contribution to faculty of science colloquium university of Ghana Legon.

**Nyame, F. K.**

- Mining, Development and Environment (Collaboration with Dr. Gavin Hilson of Cardiff University & Imperial College, Britain).
- Geochemistry and Genesis of Mineral Deposits in the Birimian of Ghana
- Management of water resources (problems with water supply, quality and distribution, etc.).
- Waste Management (Collaboration with Waste Management Department of AMA).
- Land Reclamation and Associated Problems in Mined-out Areas (Collaboration with Prof. S. K. A. Danso, Ecological Laboratory and Chair of Geo-Environmental Studies, Legon).
- Metacratonic Region at the Eastern Margin of the West African Craton (Collaboration with Prof. Kojopa Attoh, Cornell University, USA).

**Armah, T.**

- Hydrochemical and Geophysical Studies of Groundwater Salinity, in the Central Region, Ghana.
- Investigation of elevated fluoride levels in groundwater in the Northern Region of Ghana.
- Improved methods for groundwater exploration in the Voltaian terrains.

**Akabzaa, T**

- Small-scale Mining and Food Security in the Upper East region. A project supported by Action Aid Ghana.
- Increasing the Contribution of the Artisanal and Small-scale mining sector to poverty reduction targets. A project supported by DFIG and Coordinated by Swansea University, Wales.
- Pre-feasibility study of the improvement of mining support infrastructure along the Western Corridor of Ghana- Ghana Mining Sector Support project, supported by the EU.
- Evaluation of Metal leaching Potential and Acid Rock Drainage in the Tarkwa Mining District. Projected supported by Danida-Enreca Hydrogeological Project in the Department of Geology.
- Environmental and Health Impacts of Mining in the Adansi West and Amansie East Districts of the Ashanti Region. Project Supported by Third World Network Africa.

**Nude, P. M.**

- Petrology and Geochemistry of deformed carbonatite and nepheline-syenitic gneiss in the Pan-African Dahomeyide of southeastern Ghana, on-going project.

**Publications****Atta-Peters, D.**

- Atta-Peters D, and Salami M.B. 2004a: Campanian to Paleocene dinoflagellate cyst biostratigraphy from offshore sediments in the Tano Basin, South-Western Ghana. *Revista Espanola de micropaleontologia* 36 (2), 305–321.

- Atta-Peters D, and Salami M.B. 2004b: Late Cretaceous to Early Tertiary pollen grains from offshore Tano Basin, south-western Ghana. *Revista Espanola de micropaleontologia* 36 (2), 305–321.

#### **Banoeng-Yakubo, B.**

- Banoeng-Yakubo, B, Tumbulto, J. and Danso, S (2004). Assessment of Pollution status and vulnerability of water supply aquifers in the Keta area, Ghana. UNESCO/UNEP/UN-HABITAT report 2004.

#### **Akabzaa, T. M. Banoeng-Yakubo, B., and Seyire, J. S.**

- (2004). Evaluation of the status of Heavy Metal and Metalloid in Selected Mining Communities, in Adansi West and Amansie East districts of Ashanti, Ghana. (In press)
- (2004) Evaluation of the Environmental Impact of Mine Drainage From The Abandoned Konongo Mine. ( In press).
- Jørgensen, N. O. & Banoeng-Yakubo B.(2004). Multi-isotope studies of saline groundwater on the Keta barrier, Ghana. Presented at the 32nd Geological Congress, Florence, Italy.
- Helstrup T., Jørgensen N.O. & Banoeng-Yakubo B.(2004). Hydrochemical and Environmental Isotopic ( $\Delta^{18}\text{O}$ ,  $\Delta^2\text{H}$  And  $87\text{Sr}/86\text{Sr}$ ) characteristics of Groundwater in the Keta Basin, Ghana and the Bassin Sédimentaire Côtier, Togo.

#### **Manu, J.**

- Loh, G. and Manu, J (2004). Evidence of Cr, Ni and Co mineralization within the environment of the Akitekyi ultramafic complex in the Birimian terrain of South-Western Ghana. Geological survey department 90th anniversary. International conference abstract vol. pp. 23–24.
- Asiedu, D.K, Dampare, S.B., Asamoah-Sakyi, P., Banoeng-Yakubo, B., Osae, S., Nyarko, B.J.B, and Manu J., (2004). Geochemistry of paleoproterozoic metasedimentary rocks from the Birim diamondiferous field, southern Ghana: Implications for provenance and crustal proterozoic boundary. *Geochemical Journal*, vol. 38, pp. 215–228.

#### **Nyame, F. K.**

- Nyame, F. K. and Attoh, K. (2003) Hydrothermal Source of Mn in Manganese Formations in the Birimian Greenstone Belts of West Africa. Abstracts, Ist IGCP 485 Meeting, Morocco, pp 54–55.
- Nyame, F. K. and Danso, S. K. A. (2003) Environmental Implications of the Tributator System of Small-Scale Diamond Mining in the Akwatia Area, Eastern Region, Ghana. Santren Conference, Botswana, Southern Africa.

#### **Armah, T.**

- Armah, T. E. K. and Jorgensen N.O. September 2003. “Variable Aquifer Quality Characteristics in the Crystalline Basement Terrains in parts of Southern Ghana”. In: Krásný J, Hrkal Z. Bruthans J. (eds.): Proceedings – International Conference on “Groundwater in fractured rocks”, Sept.15–19, 2003. Prague. 191–192, IHP-VI, Series on Groundwater 7.UNESCO.

- Armah, T. E. K., September 2003. "Using Digital Model Analysis to Augment Satellite and Aerial Photo Interpretations". In: Krásný J.-Hrkal Z. Bruthans J. (eds.): Proceedings.
- International Conference on "Groundwater in Fractured Rocks", Sept. 15–19, 2003.
- Prague. 235-236, IHP-VI, Series on Groundwater 7. UNESCO.

#### **Akabzaa, T.**

- Thomas Akabzaa (2004). Mining Legislation and Net Returns from Mining in Ghana. Chapter in "Regulating Mining in Africa for whose benefit?" Bonnie Campbell (ed), Nordiska Afrikainstitutet. Discussion Paper 26. p 25-30.
- Bonnie Campbell, Pascale Hatcher, Ariane Lafortune, Bruno Sarrasin, Thomas Akabzaa and Paula Butler (2003). Factoring in Governance is not enough. Mining codes in Africa, policy reform and corporate responsibility. Minerals and Energy Vol. 18 No.3 2003.
- Akabzaa T. M, Hem Skage and Banoeng-Yakubo B.K. (2004). Integrated approach to environmental risks assessment of cumulatively impacted drainage basin from mining activities in South-Western Ghana. 32nd International Geological congress Abstract Vol. 1 pp 357–358.
- Hem Skage and Thomas Akabzaa. (2004). Composition and paragenesis of Ni, As and Sb-bearing sulphides assemblages from the Ashanti Belt, Southwestern Ghana. 32nd International Geological congress Abstract Vol. 1. P 54.

#### **Nude, P.M.**

- S.B. Dampare, B. J. B. Nyarko, S.Osae, E. H. K. Akaho, D. K. Asiedu, Y. Serfor-Armah, and P. Nude. Simultaneous determination of tantalum, niobium, thorium and uranium in placer columbite-tantalite deposits from the Akim Oda District of Ghana by epithermal instrumental neutron activation analysis.
- P. Nude and John W. Shervais. Geology and Geochemistry of deformed carbonatite and nepheline-syenite gneiss in the Pan-African Dahomeyide of South-Eastern Ghana. Manuscript in preparation.

### **Conference/Seminars/Workshop Attended and Paper Presented**

#### **Banoeng-Yakubo, B.**

- Mid-Term evaluation meeting of the working group on the Assessment of Pollution status and vulnerability of Water supply aquifers in Africa, Mombassa, Kenya, March, 2004
- 32nd Geological Congress of the International Union of Geoscientists, Florence, Italy, August, 2004.

#### **Manu, J.**

- Geological survey department 90th anniversary. International Conference abstract vol. pp. 23–24.
- Evidence of Cr, Ni and Co mineralization within the environment of the Akitkyi ultramafic complex in the Birimian terrain of South-Western Ghana.

**Nyame, F.K.**

- February 20–21, 2004. International Workshop on Artisanal Small-Scale Mining, ABURI, Ghana.
- February 24–27, 2004. International Conference and Exhibition of the Geological Survey Department of Ghana, Accra, Ghana.
- April 27–28, 2004. 14th Science Colloquium of Faculty of Science, University of Ghana, Legon, Accra, Ghana.
- June 7–8, 2004 Workshop on Provision of Graduate Education in the Causes, Effects and Control of Environmental Problems in Ghana, Accra, Ghana.
- August 10, 2004 International Workshop on Validation of Artisanal Small-Scale Mining, Accra, Ghana.

**Armah, T**

- GIS for African Hydrogeologists: Groundwater Vulnerability. UNEP & UNESCO Sponsored, University of Western Cape South Africa. (July – August, 2004).
- Water/Geo Information Clearinghouse Development and Management Workshop. UN-WATER/AFRICA and Economic Commission for Africa/Development Information Services Division. Accra, Ghana (Sept. 15–18, 2004).
- Combined resistivity and induced polarization for the detection of saline water bodies in crystalline terrains. 32nd International Geological Congress – Florence, Italy (August 20–28, 2004) – Scientific Sessions: abstracts (vol. 2) 186-5 page 853.

**Akabzaa, T.**

- Integrated approach to environmental risks assessment of cumulatively impacted drainage basin from mining activities in SouthWestern Ghana. Paper Presented at the 32nd International Geological Congress (IGC), Florence, Italy. August 20–28, 2004.
- Mining and Food security in the Upper East Region. a research report presented to stakeholders at the SNNIT Conference Centre, Bolgatanga. August 29, 2004.
- Regulatory and Institutional frameworks for the small-scale sector in Ghana. Research report presentation to a national stakeholder validation workshop organized by Action Aid Ghana and DFIG, U.K. at the Local Government Institute, Accra. August 10, 2004.
- Mining and Land Resources in Ghana. Paper presented at one day forum on Mining and the Ghanaian Environment, organized by UNDP/GOG Environmental Resource Management Programme, at Cresta Royal Hotel, Accra for the Parliamentary select committees on Environment and Mines, Chief Directors of Ministries and other Institutions among others. October 15, 2004.

**Nude, P.M.**

- Petrology and geochemistry of deformed carbonatite and nepheline-syenite gneiss in the Pan-African Dahomeyide of southeastern Ghana. In GSA Abstracts

with Programs vol. 36 no. 4 April, 2004. Paper presented at the rocky mountain (56th annual) and cordilleran 100th annual) joint meeting (May 3–5, 2004), Boise, Idaho.

## **The DANIDA-ENRECA HYDROGEOLOGICAL Project**

The DANIDA-ENRECA HYDROGEOLOGICAL project started in 1997 and has consistently focused on the enhancement of research capacity of hydrogeologists in the Universities and research institutions in Ghana and also training graduate hydrogeologists for the water sector. Currently, the project is in its final phase and is expected to produce eight Ph.D's four of whom have already finished and the rest at various phases of completion.

The project has sponsored 10 M.Phil. students and its expected that by 2008, 15 Masters level students would have benefited from the sponsorship programme of the project. The supervision of all the students is carried out with the support of our counterparts from Denmark. Dr. Bruce Banoeng-Yakubo is the Local Responsible Party in Ghana and co-ordinates all the activities of the Project.

The project has provided equipment for training of hydrogeologists and geophysics with strong teaching support facilities including various types of geological software. The DANIDA-ENRECA HYDROGEOLOGICAL project has GIS and remote sensing processing and interpretation capability for the training of Geoscientists and is planning with the Department to mount modular programmes in groundwater studies for consultants and technicians in the water sector in the country.

## **DEPARTMENT OF MATHEMATICS**

### **Overview**

The staffing situation in the department continued to be critical. However, there were two visiting lecturers namely Dr. G.O. Lartey and Dr. Edward Sabotka and this helped to improve the staffing position slightly. The individual workload of staff continued to be heavy.

### **Teaching**

- i. The department continued to offer courses at the undergraduate programme leading to the BSc degree in Mathematics. New courses were introduced to diversify the undergraduate programme. The department offered service courses in Mathematics to the Faculties of Science, Social Studies, Arts, Agriculture and School of Administration.
- ii. The following table gives the number of students who registered for courses in the degree programme.

### 1st Semester

### 2nd Semester

LEVEL	Humanities	Science	Humanities	Science
100	232	198	232	198
200	60	132	60	40
300	5	13	5	13
400	2	8	2	8

#### iii. Service Courses

The department offered service courses in General Mathematics II and I to 1,200 students from the Faculties of Arts, Social Studies, Agriculture, Science and the School of Administration.

Work continued towards developing a new undergraduate programme, which should be ready for the 2004/2005 academic year.

#### Staffing Position for the 2002/2003 Academic Year

Dr. D. Adu-Gyamfi - Head of Department

Prof. D.A. Akyeampong \*

Prof. N.K. Kofinti \*

Dr. M. McIntyre

Dr. G.O. Lartey \*\*

Dr. E. Sabotka \*\*

Mr. J. De-Graft Mensah

\*Contract Appointment

\*\* Visiting Appointment

#### Research

Staff continued with research in their individual fields of specialization covering both Pure and Applied Mathematics.

#### Seminars/Workshops

- i. Departmental seminars were given by both staff and final year Mathematics students.
- ii. Staff participated in various workshops organized under the ICTP/Edward Bouchet conferences during the academic session. This covered Functional Analysis, Algebra, and a Training programme for Mathematics teachers in Senior Secondary Schools.

## DEPARTMENT OF NUTRITION AND FOOD SCIENCE

## Overview

The major activities in the Department covered teaching and research on problems relating to health, nutrition and food technology. Expertise of the Department continued to be sought for National and International development efforts.

The Department was also engaged in restructuring some of its courses to meet the changing needs of families and the food industry and, the development needs of our country, Ghana.

The Department had eight permanent teaching staff at post and five part-time lecturers. The staffing position for the 2003/2004 academic year was as follows:

### Staffing Position

Professors	-	3
Senior Lecturers	-	2
Lecturers	-	5
Part-time Lecturers	-	5
Senior Staff	-	6
Junior Staff	-	9

### Courses offered and Student Numbers

The department continues to attract students to the under-graduate and post-graduate programmes. Admissions into the programmes were as follow:

#### Undergraduate Food Science

Level 200	-	110
Level 300	-	109
Level 400	-	25

#### Undergraduate Nutrition

Level 200 (Introductory Nutrition I)	-	610
(Introductory Nutrition II)	-	557
Level 300	-	124
Level 400	-	35

#### Post-graduate Programmes in Nutrition and Food Science

M.Phil Part I (Food Science)	-	4
M.Phil Part I (Nutrition)	-	5
M.Phil Part II (Food Science)	-	8
M.Phil Part II (Nutrition)	-	9
Ph.D (Food Science)	-	-
Ph.D (Nutrition)	-	-
<b>Total</b>	-	<b>1,561</b>

#### Research

Staff were actively involved in research in food processing, food quality studies, post-harvest management, food product development, maternal and child nutrition,

micronutrients, complementary foods, child growth and nutrition and nutritional epidemiology.

Individual Staff Research areas:

**Ayernor, G.S.**

- Industrial utilization of cassava in the production of sugars and alcohol.
- Stability of lipids in soybean products.
- Physiology and storage of yams.
- Fuel deposits in smoked fish and meat.
- Food Toxicology
- HACCP application in fish handling and processing. Processing and Instantisation of staple food products.
- Processing and Quality of Ready to Eat Cut.
- Pineapple Pieces (RTE – CPP).

**Sakyi-Dawson, E.**

- Studies on improving the nutritional, sensory quality characteristics of traditional foods (e.g. cowpea-fortified plantain-based snacks, dried fruit and vegetable products).
- Physicochemical characterisation of cowpea cultivars – characterisation of starch and alpha amylase activity.
- Studies on processing and quality characteristics of banana and plantain cultivars.
- Studies on dehydration parameters of fruits and vegetables – dehydration of tomatoes and Osmodehydration of pawpaw.
- Development of frozen dessert from tiger nuts.
- Packaging and Shelf-life studies of fried plantain chips. Application of osmotic dehydration to fruits and vegetables.
- Evaluation of quality and nutritional characteristics of cowpea cultivars.
- Product and process characterisation and shelf-life studies of cowpea product
- Effect of heat and digestive enzymes on recombinant and non-recombinant alpha-amylase inhibitor.
- Process and product optimisation studies for cassava and plantain fufu flours.

**Asibey-Berko, E.**

- Modification of Cow's milk for infants of HIV-positive mothers (Phase III).
- Further study of stability of iodine in iodated salt.
- Study of effects of iron, iodine and Vitamin A deficiencies on Malaria.
- Prevalence of Zinc deficiencies among adolescent in some districts of Ghana.

**Tano-Debrah, K.**

- Characterization of the yeast populations associated with the fermentation of cocoa in Ghana.
- Optimization of the process for the production of cowpea-peanut milk. Ghana
- Isolation and characterization of microbes from bottle finish and closures of soft drinks.

- Evaluation of filter-paper disk method in the preservation of microbial culture.
- Quality evaluation of processed okro.
- Identification and enumeration of heat resistant yeast and moulds in fruit juices and drinks.
- Development of a process for reducing the cooking time of breakfast corn grits (*ekuegbemi*).

**Afoakwa, E. O.**

- Optimization of the canning procedure of Cowpea (*Vigna unguiculata* L. Walp) seeds using response surface methodology.
- Biochemical and quality changes during post-harvest and storage periods of pineapple fruits (*Ananas sativus*).
- Effects of sugar, pectin and acid balancing on the quality characteristics of pineapple jams.
- Effects of harvesting technique and storage on the quality characteristics of sweet oranges (*Citrus sinensis*).
- Quality characteristics of dehydrated pawpaw, pineapple and mango fruits.

**Owusu, W. B.**

- Interaction between malaria and nutritional status in Vulnerable groups.
- Effect of pregnancy on blood pressure.
- Nutrition, lifestyle and HIV/AIDS. Nutritional in the elderly (Geriatric nutrition).
- Child Health and Development (CHAD) project.

**Vuvor, F.**

- Monitoring Adverse Pregnancy Outcome Study.
- Diabetes.
- Obesity

**Budu, A.S.**

- The effect of additives on the cooking and organoleptic Characteristics of cowpea.
- Microbiological quality of minimally processed fruits sold by Street vendors in Accra.
- Product and process characteristics of cassava crisps.
- Processing of crude shea fat to improve its utilization as a food fat.

## Special Collaborative Research Areas Researchers

### **Sakyi-Dawson Esther; Sefa-Dedeh S.; Asuming-Brempong; S. Sakyi-Dawson, Owuraku; Tano-Debrah, K.; Afoakwa, E. O.; Budu, Agnes**

- A USAID-funded project under its Collaborative Research Support Programme. Characterization of new varieties and their Performance in formulated products were evaluated.

### **Owusu, W. B., Lartey, Anna**

- WHO-funded Multicenter Growth Reference Study (MGRS)  
This project is as part of a global study on the growth of children. The objective of the study is to develop new growth reference curves using prospective data from the different parts of the world. The project is being executed by the Department of Nutrition and Food Science with the collaboration of staff from the Ministry of Health.
- The Department received support in the form of equipment and vehicles for the project.

### **Lartey, Anna, Brakohiapa, Lucy**

- Optimal Child Nutrition in HIV-affected Communities.  
Objective: to study the mechanism by which HIV in the household affects child nutritional Status.

This is a collaborative research involving Iowa State University of Connecticut and University of Ghana. Funded by National Institutes of Health, USA.

### **Lartey, Anna, Dewey, K. G.**

- Comparison of the efficacy and acceptability of three types of micronutrient supplements added to complementary foods.  
Funded by Nestle Foundation, Switzerland.

### **Marquis Grace, Sakyi-Dawson, O., Colecraft Esi, Ahunu, B., Canacoo, E., Lartey, Anna**

- Enhancing Animal-source Protein Foods in the Diets of Ghanaian children.  
Funded by USAID

## Publications

### **Ayernor, G.S.**

- Bennett-Lartey S.O., **Ayernor, G. S.**, Markwei, C.M., Asante I.K., Abbiw, D.K., Boateng, S.K., Achirinah, V.M. and Ekpe, P. Aspects of Home-Garden Cultivation in Ghana: Regional Differences in Ecology and Society. In Home Gardens and Agrobiodiversity. Pablo B. Eyzaguirre and Olga F. Linares (ed). 2004. Pp148 – 167. Smithsonian Books, Washington.
- Anihouvi, V. and **Ayernor, G. S.** 2004. La production et la commercialisation du lanhouin, un condiment à base de poisson fermenté du Golfe du Bénin. (In press).

- Ayernor, G. S. and Anihouvi, V. 2004. Quality characteristics of fermented fish products in Republic of Benin. (In press)

#### **Afoakwa, E. O.**

- **Afoakwa, E. O.** and Sefa-Dedeh, S., Sakyi-Dawson, E. (2004). Effects of cowpea fortification, dehydration method and storage time on some quality characteristics of maize-based traditional weaning foods. *African Journal of Food, Agriculture, Nutrition and Development* 4 (1): pp. 25-32.
- Sefa-Dedeh, S., Cornelius, B., Amoa-Awua, W., Sakyi-Dawson, E. & **Afoakwa, E.O.** (2004). The microflora of Fermented Nixtamalized Corn. *International Journal of Food Microbiology* 96 (1) pp. 97-102.
- Sefa-Dedeh, S., Cornelius, B. & **Afoakwa, E. O.** (2004). Effect of Nixtamalization on the Chemical and Functional Properties of Maize. *Food Chemistry* 86 (2004). Pp 317-324.
- **Afoakwa, E. O.**, Sefa-Dedeh, S., Cornelius, B. & Sakyi-Dawson, E. O. (2004). Influence of solid-state fermentation on some nutritional, physiochemical and functional properties of Nixtamalized maize. Book of Abstract Number T3P-5. Abstract Published at the Conference on Food Safety Under Extreme Conditions, Jean, Spain, September 5-8, 2004.
- **Afoakwa, E. O.**, Sefa-Dedeh, S., Sakyi-Dawson, E.O. (2004). Response surface methodology for studying the effects of fermentation, cowpea fortification and nixtamalization on the quality characteristics of maize. Book of Abstracts Number T3P-6. Abstract Published at the Conference on Food Safety Under Extreme Conditions, Jean, Spain, September 5-8, 2004.
- Kana Sop, M. M., **Afoakwa, E. O.**, Tetanye E., Tchoumboungang, F. & Amvam Zollo, P.H (2004) In vitro' iron bioavailability of complementary fermented maize gruels and meals from Cameroun. Book of Abstracts Number T3P-6. Abstract Published at the Conference on Food Safety Under Extreme Conditions, Jean, Spain, September 5-8, 2004.
- Asare, E. K., Sefa-Dedeh, S., Sakyi-Dawson and **Afoakwa, E. O.** & Kluitse, Y. (2004). Lactic acid fermentation and its influence on the quality characteristics of cowpea-fortified weaning foods. Books of Abstracts Number T3P-4. Abstract Published at the Conference on Food Safety Under Extreme Conditions, Jean, Spain, September 5-8, 2004.
- Annor, G.A., Sakyi-Dawson, E. & **Afoakwa, E. O.** (2004). Mycotoxin contamination in fermented foods: The present situation in West Africa. Book of Abstracts Number T1P-13. Abstract Published at the Conference on Food Safety Under Extreme Conditions, Jean, Spain, September 5-8, 2004.
- **Afoakwa, E.O.** & Yeniyi, S.E. (2004). Response surface methodology for optimizing the pre-processing conditions during canning of a newly developed and promising cowpea (*Vigna unguiculata*) variety. *Journal of Food Engineering*. (In Press).
- **Afoakwa, E.O.** & Yeniyi, S.E. (2004). Response surface methodology for studying the influence of soaking, blanching and sodium hexametaphosphate [(NaPO<sub>3</sub>)<sub>6</sub>] salt concentration on some biochemical and physical characteristics of cowpeas (*Vigna unguiculata*) during canning. *Journal of Food Engineering*. (In Press).

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- **Afoakwa, E. O.**, Sefa-Dedeh, S., Kluitse, Y. M., Sakyi-Dawson, E. (2004). Comparison of starch pasting properties in the Brookfield Viscometer and Brabender Viscoamylograph using response surface models. *Journal of Food Engineering*. (In Press).
- **Afoakwa, E. O.**, Sefa-Dedeh, S., Kluitse, Y. M., Sakyi-Dawson, E., Asomaning, J. & Kana Sop, M.M. (2004). Effect of germinated cereal malts on viscoelastic properties and pasting characteristics of fermented maize. *Food Chemistry*. (In Press).
- Asare, E. K., Sefa-Dedeh, S., Sakyi-Dawson, E. & **Afoakwa, E.O.** (2004). Extrusion of sorghum and sorghum-cowpea-peanut mixtures: Process and Product Characteristics. *International Journal of Food Science and Technology* (In Press).
- Asare, E. K., Sefa-Dedeh, S., Sakyi-Dawson, E. & **Afoakwa, E. O.** (2004). Application of Response Surface Methodology for Studying the Product Characteristics of Extruded Rice-groundnut-cowpea Blends. *International Journal of Food Science and Technology* (In Press).
- Atuobi, C., Sakyi-Dawson, E., **Afoakwa, E. O.** & Asare, E. K. (2004). Characterisation of starches from four cowpea varieties. *International Journal of Food Science and Technology*. (In Press).

#### **Sakyi-Dawson, E.O .**

- Sefa-Dedeh, S., Cornelius B., **Sakyi-Dawson, E.** and Afoakwa, E.O. (2004). Effect of Nixtamalization on the Chemical and Functional Properties of Maize. *Food Chemistry* 86 (2004). Pp 317–324.
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- Sefa-Dedeh, S., Cornelius, B., **Sakyi-Dawson, E.** & Afoakwa, E.O. (2003). Application of Response Surface Methodology to study of the Quality Characteristics of Cowpea-fortified Nixtamalised Maize. *Journal of Innovative Food Science and Emerging Technologies* 4 pp. 109–119.
- Siaw Mante, E., **Sakyi-Dawson, E.** & Amoa-Awuah W. 2003. Antimicrobial species involved in the fermentation of cassava dough into agbelima with particular reference to the inhibitory effect of lactic bacteria on enteric pathogens. *International Journal of Food Microbiology* 89: 41–50.
- Darkwa, S., Amoa-Awuah, W. & **Sakyi-Dawson, E.** 2003. The role of *Bacillus* species in the characteristic aroma of traditionally fermented 'soy-dawadawa'. *Journal of the Ghana Science Association*. 5(1): 72–79.

#### **Tano-Debrah, K.**

- Nielson, D.S., Honholt, S. **Tano-Debrah, K.** & Jespersen, L. Yeast populations

associated with Ghanaian cocoa fermentation analyzed using Denaturing Gradient Gel Electrophoresis (DGGE). Yeast In press (submitted in October, 2004).

- **Tano-Debrah, K.**, Budu, A. & Anim, G. Production of wine from fruits of *Averrhoa carambola*. Journal of the Ghana Science Association. In press (submitted September, 2004).
- Youri, M. R., Tano-Debrah, K., Obodai, M. & Smith, J. F. (2004). Bioconversion of some agro-processing waste through *Pleurotus* production. In Remaine, Keil, Rinker & Royse (eds) Science and Cultivation of Edible and Medical Fungi, Penn State, ISBN 1-883956-01-13.
- Obilie, E. M. **Tano-Debrah K.** and Amoa-Awua, W. Souring and breakdown of cyanogenic glycosides during the processing of cassava into akyeke. Int. J. of Food Microbiology 93:115-121.
- Tano-Debrah, K. & Gbeddy, D. V. (2004). Processing of cowpea-groundnut blend into a miso-like product. Int. J. of Food Sciences and Nutrition 55 (3): 207-214.

#### **Lartey, Anna**

- **Lartey, A.** Owusu, W. B., Sagoe-Moses, I., Gomez V., Sagoe-Moses, C., for the WHO Multicentre Growth Reference Study Group. Implementation of the WHO Multicentre Growth Reference Study in Ghana. Food Nutr. Bull 2004; S60-S65.
- Wijnhoven, T. M. A., de Onis M., Onyango, A. W., Wang T., Bjoernboe, G. E., Bhandari N., **Lartey, A.**, Al Rashidi, B., For the WHO Multicentre Growth Reference Study Group. Assessment of Motor development in the WHO Multicentre Growth Reference Study. Food Nutr Bull 2004; 25:S27-S45.
- Dewey, K. G., Hawck, M. G., Brown, K. H., Lartey, A, Cohen, R. J. & Peerson, J. M. Infant weight-for-length is positively associated with subsequent linear growth across four different populations. Maternal and Child Nutrition 2004 (accepted for publication)
- Owusu, W. B., Lartey A., de Onis, M., Onyago, A. W., & Frongillo, E. A. Factors associated with unconstrained growth among affluent Ghanaian children. Acta Paediatrica, 2004; 93:11195-1119.
- **Lartey, A.** & Adu-Aboagye, G. Inter-pregnancy interval on pregnancy outcome among Ghanaian Mothers. FASEB J (2004) abstr # 595.7.

Chinebuah-Aidam B, Perez-Ezcamilla R, **Lartey, A.** A randomized trial on the impact of peer counseling on exclusive breastfeeding (EBF) in Ghana: controlling for the Hawthorne effect. FASEB J (2004) abstr # 350.1

#### **Asibey-Berko, E.**

- Amoah, A. G. B., Asibey-Berko, E., Osa Mensa, A., Addo, F., Agyepong, E., Lartey, A. & Ndanu, T. A. (2004). Feasibility for Thyroid Ultrasonology in field studies in a developing Country, Ghana (African Journal of Medicine & Medicinal Science).

### **Budu, A. S.**

- **Budu, A. S.**, & Joyce D. C. (2003). Effect of 1-methycyclopropene on the quality of minimally processed pineapple fruit. *Australian Journal of Experimental Agriculture*, 43(2), 177–184.
- **Budu, A. S.**, & Joyce, D.C. 2004. Effect of modified atmosphere packaging on the quality of minimally processed pineapple cv. Smooth Cayenne fruit. *Journal of Horticultural Science and Biotechnology*. (In press)

### **Owusu, W. B.**

- Colecraft, E. K., Marquis, G. S., Bartolucci, A. A., Pulley, L., **Owusu, W. B.** & Maetz H. M. A longitudinal assessment of the diet and growth of malnourished children participating in nutrition rehabilitation centres in Accra, Ghana. *Public Health Nutrition*. 7(4), 487–494, 2003.
- **Owusu, W. B.**, Lartey, A., de Onis, M. *et al.* Factors associated with unconstrained growth among affluent Ghanaian children. *Acta Paediatr* 93:1115–1119, 2004.
- Laar, A. K, **Owusu, W. B.** and Yeboah, K. Anthropometric Characteristics of HIV/AIDS patients in Accra, Ghana. *Journal of Ghana Science Association*, 5(2);2003.
- Lartey, A., **Owusu, W. B.**, Sagoe-Moses, I., *et al.* Implementation of the WHO Multicentre Growth Reference Study in Ghana. *Food & Nutrition Bulletin*. 25(1) (supplement), S560–S565, 2004.

### **Books in Preparation**

- Study Design, Scientific Writing and Communication (In Preparation)
- Our Lifestyle and Our Health (In Preparation)

### **Conferences, Workshops and Seminars Attended**

#### **Ayernor, G.S.**

- Joint FAO/WHO Food Standard Programme Codex Committee on Pesticides Residues, Thirty-sixth session New Delhi, India, 19 – 24 April, 2004.
- Seminar on the Industrial utilization of cassava in Ghana organized by the “Sustainable uptake of cassava as an industrial commodity” project (R8268) Team. Sponsored by the United Kingdom (UK) Department for International Development (DFID) and Crop Post Harvest Programme (CPHIP). Cresta Royale Hotel, North Dzorwulu, Accra. 8th July, 2004.

#### **Lartey, Anna**

- Experimental Biology 2004 Conference. Washington DC, April 17-21, 2004.
- University of Connecticut, Department of Nutritional Sciences. Storrs, Connecticut, USA. Delivered a seminar on “Pregnancy weight gain, Postpartum weight loss among Ghanaian mothers”. April 28, 2004.
- Alan Guttmacher International and Planned Parent Association of Ghana’s workshop on “The Sexual and Reproductive Health of Ghanaian Youth: What does the future hold?” July 7, 2004. Accra, Ghana.

- RIING project workshop on “Analysis of Secondary Demographic and Health Data” A 4-day training course. July 28-31, 2004. Legon, Ghana.
- Ghana Medical Association’s 5th Annual Public Lecture on Changing lifestyles and Diseases: A multi-sectoral Approach.  
Presentation by Anna Lartey: Diet and Disease. September 22, 2004.

#### **E. Sakyi-Dawson**

- Cowpea Stakeholders’ Workshop. Organised by African Agricultural Technology Foundation (AATF), 10–12 February, 2004 – Plaza Hotel, Accra, Ghana.
- Workshop on KEWL, A learning management system software: Towards e-learning in Univ. of Ghana.
- Small Group meeting on Mycotoxins in Africa. Organized by African Agricultural Technology Foundation (AATF), June 22-24th, 2004 Nairobi, Kenya.
- Annual Conference of the Institute of Institute of Food Technologists, USA. July 11 to July 16, 2004. Las Vegas, NV, USA.

#### **E. Asibey-Berko**

- Orientation workshop for Deans, Directors and Heads of Department, Business School, Legon, January 26–29, 2004.
- National Forum on Harnessing Research & Science and Technology, International Conference Centre, March 15–19, 2004.
- Food & Drugs Board Workshop on Code for Breastmilk Substitutes, Coco Beach, Teshie, Monday, June 31, 2004.

#### **Tano-Debrah, K.**

- University of Ghana Graduate Environmental Science Workshop, Cresta Royal Hotel, Accra, 7th–8th June, 2004.
- Ghana Science Association 9th Biennial Workshop, 8th July, 2004, University of Cape Coast.

#### **Afoakwa, E. O.**

- The Global Nutrition 2004 Programme at the Swedish University of Agricultural Sciences, Uppsalla, Sweden, Sponsored by the Swedish International Development Agency (SIDA), March 16–April 6, 2004.
- The 14th Faculty of Science Colloquium, on Creating Opportunities for Science in National Development, Department of Biochemistry Annex, University of Ghana, Legon, April 27th–28th, 2004.
- Training Programme on Food Industry and Agri-Business at the International Agricultural Centre, Wageningen, The Netherlands, Sponsored by the Netherlands Fellowship Programme (NFP), October 12–27, 2004.

#### **Owusu, W. B.**

- Public Lecture on: The Nutritional Needs for the Elderly “at the Volta River Authority (VRA) (25th August, 2004), School of Public Health, (10 September 2004), and at the Centre for Social Policy Studies, University of Ghana (8th October, 2004).

- Presented on: "Dietary and other Risk factors for Breast Cancer among women in Ghana" at the Fourth annual Research Meeting at Nogouchi Memorial Institute for Medical Research, 22-24 November, 2004.
- 2nd Annual Pre-Service Review Conference. 11th-13th November, 2003. Chances Hotel, Ho, V/R.

#### **Vuvor, F.**

- WAHO Conference: Review Meeting of the WCAR Action of the ANCDI. 4th-6th December, 2003, Bobo-Dioulasso, Burkina Faso.

#### **Budu, Agnes S.**

- Consultative Roundtable on The Nutrition and Gender Initiative in West Africa. Institute of African Studies. University of Ghana, Legon, October 7, 2004.

### **Extension Work**

#### **Ayernor, G. S.**

- Chairman, Ist Technical Committee (CT-1 Food) of the Ghana Standard Board.
- Member, Food and Drugs Board.
- Chairman, National Aflatoxin Committee
- Member, National Codex Committee
- Member, Food Research Institute Management Board
- Member and Coordinator of programmes, Manya Krobo Cultural Advisory Board.

#### **Owusu, W. B.**

- Resource person on Nutrition and Health (Weekly) for Breakfast Drive (UBD) at UNIIQ 95.7 FM (GBC) and GTV Breakfast Show (Bfs).
- Writer for the Lifestyle column of The Mirror.
- Consultant to MOST/USAID/MOH on National Food Fortification Alliance (NFFA) Project.
- Course Coordinator for Public Health Nutrition, School of Public Health, Legon.
- Member, Ghana Universal Salt Iodization Committee.

#### **Tano-Debrah, K.**

- Member of the National Food Safety Committee
- Member of the Food Hygeine Sub-Committee of Ghana Codex Alimentarius Commission.

#### **Vuvor, F.**

- Chief Examiner for Nurses and Midwives Council of Ghana.

## **Benefactors**

### **Afrofoods/Infoods**

Through the F.A.O. the United Nations University system had released funds to establish a permanent Food Composition Database in the Department.

Within three months of the release of the fund, the centre has progressed swiftly to collect and input vast data on Ghana, West Africa and Africa Foods as well as International Food Data systems.

### **Presentations**

#### **Sakyi-Dawson, E.**

- Afua O. Ofori-Anti, Esther Sakyi-Dawson and K. M. Bosompem. 'Genetic Modification of Foods: Perceptions of Ghanaian Consumers in the Greater Accra Region'. Presented at 14th Annual Faculty of Science Colloquium, University of Ghana. 27-28 April, 2004.
- Christiana Atuobi Ampadu and Esther Sakyi-Dawson. Characterisation of starches from four cowpea varieties. Presented at 14th Annual Faculty of Science Colloquium, University of Ghana. 27-28 April, 2004.
- Ensuring Food Safety: The Role of Scientists. Presented at Food Safety Short Course organized by Michigan State Univ./Partnership for Food Industry Development (MSU-PFID) Miklin Hotel, Accra. 10-14 May, 2004.
- Esther Sakyi-Dawson, S. Sefa-Dedeh & E.O. Afoakwa. Functional and physico-chemical characteristics of different cowpea varieties and their performance in some staple Ghanaian traditional foods. Presented at Annual Conference of the Institute of Food Technologists, USA. July 11 to July 16, 2004. Las Vegas, NV, USA.

#### **Budu, A. S.**

- Agnes S. Budu & Daryl C. Joyce. Establishing controlled atmosphere conditions for fresh-cut pineapple fruit. Presented at the 14th Annual Faculty of Science Colloquium, University of Ghana. 27-28th April, 2004.

### **Training Fellowship**

#### **Tano-Debrah, K**

- DANIDA Post-Doctoral Fellow at the Royal Veterinary and Agricultural University of Denmark. Worked as a Guest Researcher to train in the denaturing gradient gel electrophoresis (DGGE), polymerase chain reaction (for DNA amplification), pulse-field gel electrophoresis, and DNA sequencing techniques.

# DEPARTMENT OF OCEANOGRAPHY & FISHERIES

## Overview

The Department continued to promote research and training in Oceanography and Fishery Science. The first batch of undergraduate degree students completed the degree programme in June. Training in Oceanography and Fisheries made appreciable progress. Six graduate and 43 undergraduate students are enrolled in the Department. Research activities included studies on fish, fisheries, plankton, benthos, and aquatic mammals (dolphins and manatees). The Department continued to receive support from part-time lecturers from the Regional Maritime Academy, Department of Fisheries of the Ministry of Food & Agriculture, the Water Research Institute and the Ghana National Petroleum Corporation.

Field courses to familiarize students on the different features of the coastline as well as the fishery resources in the country were undertaken.

## Courses offered

The Department runs undergraduate (B.Sc.), and graduate (M.Phil and Ph.D) programmes in Fisheries Science, and in Oceanography which include courses on coastal zone management. The Department also teaches the Integrated Coastal Zone Management and Fisheries Management components of the M.Phil. Environmental Science Programme of the Faculty of Science. It also contributes to the teaching of Limnology and Fisheries Biology in the Department of Zoology. Undergraduate courses offered include Seamanship, Marine Ecology, Aquaculture, Biodiversity and Conservation. Graduate courses were offered in such areas as Chemical, Physical, Geological and Biological Oceanography, Law of the Sea, Aquaculture, Marine Botany, Fish Pathology, Fisheries Resource Dynamics & Assessment, Fisheries Management & Economic Studies, Ecology of Fishes as well as Statistics & Computing.

## Student numbers

Level 300	-	24
Level 400	-	19
M.Phil	-	6
Ph.D	-	2

The Departmental degree programmes are essentially available at Level 300 and higher. An elective course in Introductory Oceanography & Fisheries at Level 200 however exists and open to all eligible students.

## Staffing position

The breakdown of staff at post was:

- 1 Associate Professor
- 2 Senior Lecturers
- 9 Lecturers
- 2 Senior Staff
- 3 Junior Staff

Out of this there were five part-time lecturers.

## Research/Projects/Workshops

### **Collaborative research with the Dove Marine Research Laboratory, University of Newcastle, U.K.**

The collaborative research with the University of Newcastle began with a workshop with the theme "Developing an ecosystem-based approach to managing Ghana's coastal resources" on the 9th January, 2004. This effort continued with joint field studies in the ensuing months on ecosystem-based approaches to coastal management, fisheries management and tourism development in Ghana.

### **On-going Research Activities**

- Natural and anthropogenic impacts on sandy shore fauna along the Ghanaian coast.
- Shoreline changes along the southeastern coast of Ghana.
- Structure of the marine benthic communities (epifauna and infauna invertebrates and demersal fish) of the coastal waters of the Gulf of Guinea between Ghana and Nigeria.
- Marine plankton biodiversity in the Gulf of Guinea and influence of climatic and hydrographic factors on phytoplankton and zooplankton communities off the coast of Ghana.
- Empirical modeling of effects of environmental factors on plankton communities.
- Ecological studies on beach seine fisheries in Ghana and management implications.
- The growth of pond-cultured Pink shrimp *Penaeus notialis* using agro-based feed.
- Ecological studies on the Keta Lagoon.
- Population biology and ecology of manatees, dolphins and sharks in Ghana.
- Avifauna dynamics, conservation and ecology in coastal wetlands of Ghana.
- Remote-sensing of the coastal zone of Ghana.
- Biogeochemical modelling of Land use and ecological functions of coastal ecosystems.
- Development of GIS-based coastal information systems for Ghana.
- Assessment of productivity of coastal lagoons in Ghana.

## Publications

### Armah, A. K.

- Environmental Baseline Study for the proposed West African Gas Pipeline Project (WAGP). Contributor (December, 2003), Environmental Protection Agency, Accra.
- Armah, A. K., G. Wiafe and D. Kpelle (2004). Sea level rise and coastal biodiversity in West Africa – a case study from Ghana. In: *Climate Change for Africa: Science, Technology, Policy and Capacity Building*. Pp. 202–215 Ed. Pak Sum Low. Cambridge University Press.
- Armah, A. K., S. Addo and G. A. Darpaah (2003). Aspects of the reproduction of cichlids associated with the “Acadja” system of the Keta Lagoon. *Journal of Ghana Science Association*, 5(2): 62–68.
- Armah, A. K., Darpaah, G. A. and S. Addo. (2003) Food preferences of the cichlids associated with “Acadjas” and open water of the Keta Lagoon. *Journal of Ghana Science Association*, 5 (1): 134–144.
- Armah, A. K., Blay, J., Quaye, E.C., and J. Ryan (in press). Knowledge Networks for Village-Level Integrated Coastal Zone Management in West Africa: A Case Study of Three Settlements in Ghana. ISBN 9988-7887-1-1, Royal Crown Press Ltd. Accra, Ghana. 93 pp.

### Ofori-Danson, P. K.

- Ofori -Danson, P.K., K. Van Waerebeek and Debrah, S. (2003). A survey for the conservation of dolphins in Ghanaian coastal waters. *Journal of the Ghana Science Association*, Vol. 5 (2), 45–54 pp.
- Dankwa, H.R., Shenker, J.M., Lin, J., Ofori.-Danson, P.K. and Ntiamoa-Baidu, Y. (2004). Fisheries of two tropical lagoons in Ghana, West Africa. *Journal of Fisheries Management and Ecology*, 11: 1–9 pp.
- Ofori -Danson, P.K. and Ntow, W.J. (2004). Studies on current state of the limno-chemistry and potential fish yield of Lake Volta (Yeji sector) after three decades of impoundment. *Ghana Journal of Agricultural Science* Vol. 37

### G. Wiafe

- Armah, A. K., G. Wiafe and D. Kpelle (2004). Sea level rise and coastal biodiversity in West Africa – a case study from Ghana. In: *Climate Change for Africa: Science, Technology, Policy and Capacity Building*. Pp. 202–215 Ed. Pak Sum Low. Cambridge University Press.
- Wiafe, G. (Submitted). Seasonal variation in the plankton communities of the Guinea Current Large Marine Ecosystem. *African Journal of Marine Ecology*
- Agyekum, K., G. Wiafe, and Appiah A. (Submitted). Effects of environmental factors on phytoplankton distribution in a tropical coastal lagoon. *Journal of the Ghana Science Association*.
- Botchway, S.N., Wiafe, G. and Kyerematen, R.A.K. (Submitted). Is the Amanzure lake under threat from microalgae? *Ghana Journal of Science*.

### Nunoo, F. K. E.

- Nunoo, F. K. E., D. B. Eggleston, & C. J. Vanderpuye (Submitted 2004).

Abundance, biomass and species composition of nearshore fish assemblages in Ghana, West Africa. *Estuarine, Coastal & Shelf Science*.

- Ahulu, A. M, F. K. E. Nunoo and Erasmus H. Owusu (Submitted 2004). Food preferences of the common tern *Sterna hirundo*, (Linnaeus, 1758) at the Densu floodplains, Accra. *West African Journal of Applied Ecology*.
- Nunoo, F. K. E., S. Asem – Hiablie and D. O. Patu (Submitted 2004). Species diversity of nearshore waters caught in beach seine nets along the coast of Ghana, West Africa. *African Journal of Marine Science*.

#### **Addo, S.**

- Armah, A. K., S. Addo and G. A. Darpaah (2003). Aspects of the reproduction of cichlids associated with the “Acadja” system of the Keta Lagoon. *Journal of Ghana Science Association*, 5(2): 62–68..
- Armah, A. K., Darpaah, G. A. and S. Addo. (2003) Food preferences of the cichlids associated with “Acadjas” and open water of the Keta Lagoon. *Journal of Ghana Science Association*, 5 (1): 134–144..
- Environmental Baseline Study for the proposed West African Gas Pipeline Project (WAGP). Contributor (December, 2003), Environmental Protection Agency, Accra. .

#### **Mensah, A. M.**

- Matos, N., Gordon, C., Ayivor, J., Mensah, A., Tweneboah, E., Yankson, S. (2004), *Opportunities and Challenges for Research in Sub-Saharan Africa in an era of Globalisation*, Conference Proceedings on First National Forum on Harnessing Research, Science & Technology for Sustainable Development in Ghana, (in press).

### **Conferences, Workshops & Seminars**

#### **Armah, A. K.**

- National Workshop on Ecosystem-based Approach to Fisheries Management. 9th January, 2004. University of Ghana, Legon.
- Stakeholders Workshop on Environmental Sensitivity Map of Coastal Area of Ghana. 24–25 March, 2004. EPA Training School, Amasaman, Ghana.
- 4th World Fisheries Congress. 2–6th May, 2004, Vancouver, British Columbia, Canada.
- WTO/UNIDO/MES National Stakeholders’ Workshop on Reduction of Environmental Impact from Coastal Tourism. 10–11th August, 2004. STEPRI, Accra, Ghana.

#### **Ofori-Danson, P. K.**

- Forum on upgrading Mathematics and Science Education in Ghana: needs and implications for workforce development. Organized by the Africa-America Institute’s African Perspective Forum, Labadi Beach Hotel, Accra. 15th April, 2003.
- Press Conference on the International Day of Biological Diversity, Ministry of Environment and Science, Accra, 12th May, 2003.
- Joint workshop on Developing an Ecosystem Approach to Managing Ghana’s Coastal Resources; Dove Marine Research Laboratory, University of

Newcastle, UK and Department of Oceanography and Fisheries, University of Ghana, Legon, 9th January, 2004.

- Ghana Environmental Assessment Collaborative Workshop, organized by the World Bank, La Palm Royal Beach Hotel, Accra, 6th–7th May, 2004.

#### **Wiafe, G.**

- Dissertations Initiative for the Advancement of Limnology and Oceanography (DIALOG) Symposium. Bermuda Biological Station for Research (BBSR) October 19–24, 2003, Bermuda.
- Workshop on Coastal Engineering: Towards a Rational Coastal Defence Policy in Ghana. 24 February, 2004. CSIR/Water Research Institute. Ghana
- First National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana. 15–19 March, 2004. Accra International Conference Centre. Accra, Ghana.
- Stakeholders Workshop on Environmental Sensitivity Map of Coastal Area of Ghana. 24–25 March, 2004. EPA Training School, Amasaman, Ghana.
- Seminar on State of Marine Environment and Fisheries Resources in Ghana. 30 March–1 April, 2004. Marine Fisheries Research Division, Fisheries Directorate, Ministry of Food and Agriculture. Tema, Ghana.
- Fourth World Fisheries Congress – Reconciling Fisheries with Conservation: The Challenge of Managing Aquatic Ecosystems. 2–6 May, 2004. Vancouver, British Columbia, Canada.
- Workshop on Key environmental issues of Ghana under the University of Ghana's Carnegie Project (Theme: Provision of graduate education in the causes, effects and control of environmental problems in Ghana. 7–8 June, 2004. Accra, Ghana.
- Oceanographic Cruise: Oceanographic monitoring in Angolan Coastal Waters. Alexander V. Humboldt Angolan Benguela (AHAB) Expedition. Courtesy Guinea Current LME-Benguela Current LME collaboration. May–June, 2004.

#### **Nunoo, F. K. E.**

- 3rd International Conference of the PanAfrican Fish and Fisheries Association. 10–14th November, 2003, Cotonou, Benin.
- National Workshop on Ecosystem-based Approach to Fisheries Management. 9th January, 2004. University of Ghana, Legon.
- 4th World Fisheries Congress. 2–6th May, 2004, Vancouver, British Columbia, Canada.
- Workshop on provision of graduate education in the causes, effects and control of environmental problems in Ghana. 7–8th June, 2004. Accra, Ghana.
- EPA, Ghana/UNEP Workshop on the Africa Environment Initiative Network (AEIN) implementation Start-up in Ghana, Amasaman near Accra. 21–22nd June, 2004.
- 9th Biennial Workshop of Ghana Science Association. The plastic menace. 7th–9th July, 2004, University of Cape Coast, Ghana.
- WTO/UNIDO/MES National Stakeholders' Workshop on Reduction of Environmental Impact from Coastal Tourism. 10–11th August, 2004, Accra, Ghana.

**Addo, S.**

- National Stakeholder's Workshop on Aquaculture: 4–7 August, 2004, Ho.

**Mensah, A. M.**

- Participant, Meeting on the Finalization of National Biodiversity Action Plan, Ministry of Environment and Science, 30th September 2003. Accra, Ghana.
- Participant, IWMI (International Water Management Institute) Strategic Plan 2004–2008. Ghana Stakeholders Workshop. 9th October, 2003, CSIR (Centre for Scientific & Industrial Research), Ghana
- Co-facilitator, Workshop to Develop Indicators for Sustainable Development, NACIA 21, Sitting as Drafting Team, Ministry of Environment and Science, 4th–5th December, 28th–29th December, 2003, Aburi, Ghana.
- Member of Organizing Committee and Participant, Developing an Ecosystem Approach to Managing Ghana's Coastal Resources. Department of Oceanography & Fisheries, University of Ghana. 9th January, 2004. Accra, Ghana.
- Presentation, "The Influence of Land Based Activities on Selected Coastal Systems in Ghana", AfriCat Synthesis & Futures Meeting, hosted by the LOICZ (The Land Ocean Interactions in Coastal Zone). 16th–18th February, 2004, Mombassa, Kenya
- Part of a four-member research team on paper "Opportunities and Challenges for Research in Sub-Saharan Africa in an era of Globalisation" prepared for N. Matos and C. Gordon for the First National Forum on Harnessing Research, Science & Technology for Sustainable Development in Ghana". 15th–19th March, 2004, Accra, Ghana.
- Participant, Environmental Assessment Training Collaborative Workshop, hosted by World Bank, 6th–7th May, 2004, Accra, Ghana.
- Member of Organizing Committee and Participant, Workshop on the Provision of Graduate Education in the Causes, Effects and Control of Environmental Problems in Ghana. Hosted by Graduate Environmental Science Programme, University of Ghana. 7th–8th June, 2004. Accra, Ghana.
- Participant, Public Hearing on the Document on the Selection of Sustainable Development Indicators for Ghana, 28th July, 2004. Accra, Ghana.
- Participant, Leadership Workshop for African Women Scientists and Engineers, 16th–20th August, 2004. Sponsored by CIDA (Canadian International Development Agency), Nairobi, Kenya.

**Benefactions**

- Internet connectivity was provided to the Department by Environmental Solutions Limited with support from Chevron West African Gas Limited.
- Prof. Eric A. Kwei, an alumnus, donated the sum of US\$ 5,000 (five thousand Dollars) for the establishment of an annual award for distinguished students of the Department.
- The Ministry of Food and Agriculture provided full support to two members of staff to attend the 4th World Fisheries Congress in Vancouver, Canada.

## DEPARTMENT OF PHYSICS

### Overview

At age 70, retired British Professor Llewellyn Grimes who lectured in this Department from 1960 – 1975 offered his services to the Department for the second semester free of charge. During the period, he taught **PHYS 112: General Physics II** and **PHYS 204: Electromagnetism & Modern Physics (For Biological Students)**. He also supervised student practicals.

After serving as a Visiting Scholar for two years Mr. Merkin E. Adeleye had his appointment converted to Full -Time Lecturer.

The Department continues to rely on Part -Time Lecturers from the Ghana Atomic Energy Commission, Kwabenya, to help with Levels 100 and 200 and some specialized courses at the Graduate level.

### Courses

#### Level 100

- PHYS 101: Practical Physics I
- PHYS 111: General Physics I
- PHYS 102: Practical Physics II
- PHYS 112: General Physics II

#### Level 200

- PHYS 200: Practical Physics (For Biological Sciences)
- PHYS 203: Vibrations, Waves & Properties of Matter (For Biological Sciences)
- PHYS 201: Practical Physics III
- PHYS 211: Classical Mechanics
- PHYS 215: Electricity & Magnetism I
- PHYS 204: Electricity, Magnetism & Modern Physics (For Biological Sciences)
- PHYS 202: Practical Physics IV
- PHYS 212: Thermal Physics
- PHYS 216: Modern Physics

#### Level 300

- PHYS 301: Practical Physics V
- PHYS 311: Classical Mechanics II
- PHYS 315: Electromagnetism I
- PHYS 319: Solid State Physics I
- PHYS 321: Mathematics for Physicists
- PHYS 323: Special Relativity
- PHYS 302: Practical Physics VI
- PHYS 312: Statistical Physics

PHYS 314: Vibrations, Waves & Optics  
 PHYS 322: Modern Physics & Introductory Quantum Mechanics  
 PHYS 324: Computing for Scientists

**Level 400**

PHYS 400: Project  
 PHYS 413: Microwave Physics  
 PHYS 415: Electromagnetism II  
 PHYS 417: Analogue Electronics  
 PHYS 419: Solid State Physics II  
 PHYS 433: Radiation Physics  
 PHYS 416: Nuclear & Elementary Particle Physics  
 PHYS 418: Physics of Materials  
 PHYS 420: Contemporary Physics  
 PHYS 422: Quantum Mechanics II  
 PHYS 432: Energy  
 PHYS 438: Digital Electronics

**Level 600**

PHYS 610 Seminar I  
 PHYS 620 Seminar II  
 PHYS 611 Classical Mechanics  
 PHYS 612 Statistical Mechanics  
 PHYS 613 Quantum Mechanics  
 PHYS 614 Electrodynamics  
 PHYS 621 Solid State Physics  
 PHYS 622 Principles of Nuclear Physics  
 PHYS 631 Instrumentation & Physical Measurements  
 PHYS 632 Physics of Surfaces  
 PHYS 633 Semiconductor Materials & Devices  
 PHYS 634 X-ray Fluorescence Analysis  
 PHYS 635 Meteorology  
 PHYS 636 Crystal Diffraction & Electron Microscopy  
 PHYS 638 Energy  
 PHYS 639 Defects In Crystalline Materials  
 PHYS 641 Reactor Physics  
 PHYS 642 Radiation Bio-Physics  
 PHYS 643 Isotope Geochronology  
 PHYS 644 Mass Spectrometry

**Student Numbers**

Level 100	724
Level 200 (Mathematical/Physical/Earth Science Option)	29
Level 200 (Biological Science Option)	497
Level 300	36
Level 400	17
M.Phil Part I	1
M.Phil Part II	2
Ph.D	2

## Staff Position

Prof. J. K. A. Amuzu*	Professor
Prof. R. D. Baeta (+)	Professor
Prof. G. K. Tetteh (+)	Professor
Prof. L. Grimes	Visiting Professor
Prof. K. G. Adanu (+)	Associate Professor
Prof. E. K. Agyei (+)	Associate Professor
Dr. K. O. Bryden(+)	Senior Lecturer
Dr. V. C. K. Kakane*	Senior Lecturer
Dr. R. Kwadjo	Senior Lecturer
Dr. K. Oduro-Afriyie	Senior Lecturer (Head of Department)
Mr. G. M. Ahadzi**	Lecturer
Mr. A. F. Hughes	Lecturer
Dr. E. A. E. Kaufmann	Lecturer
Mr. G. Nkrumah***	Lecturer
Mr. M. E. Adeleye	Lecturer

+ Post-Retirement Contract

\* On Sabbatical Leave.

\*\* Study Leave.

\*\*\* Part-Time Study Leave

## Research

- Electron-Phonon Interaction in Low-Dimensional Systems (Superlattices Quantum Wires & Quantum Dots) and Carbon Nanotubes.
- Medical Imaging Using Electrical Impedance Tomography.
- Determination of land and sea surface temperatures from NOAA satellite images. Application of remote sensing in climatology.
- Development of the application of photovoltaic power systems.
- Maximum entropy spectral analysis of rainfall in Ghana.
- Fracture of Ceramic Crystals.
- Biomechanics of low back pain among manual labourers in Ghana.

## Publications

### Kaufmann, E. A. E.

- Tamiko Johnson and **Elsie Effah Kaufmann**, Behavioral risk factors for low back pain among manual labourers in Ghana. *Proc. 14th Faculty of Science Colloquium, University of Ghana, Legon; 27-28 April, 2004.*

### Nkrumah, G.

- George Nkrumah, "Introduction to Carbon Nanotube" Proc. 14th Faculty of Science Colloquium, University of Ghana, Legon, 27–28 April, 2004.
- S. Y. Mensah, F. K. A. Allotey, George Nkrumah and N. G. Mensah "High electron thermal conductivity of chiral carbon nanotubes", *Physica E: Low-dimensional Systems and Nanostructures*, Volume 23, Issues 1–2, June, 2004, Pages 152–158.

- N. G. Mensah, G. Nkrumah, S. Y. Mensah and F. K. A. Allotey, "Temperature dependence of the thermal conductivity in chiral carbon nanotubes", Physics Letters A, Volume 329, Issues 4–5, 30 August, 2004, Pages 369-378

## **Conferences/Seminars/Workshops**

### **Oduro-Afriyie, K.**

- Carnegie Corporation Project (CCP) Orientation Workshop for Deans/Directors & Heads of Departments, University of Ghana. 27–29 January, 2004, Legon, Accra, Ghana.
- First National Forum on Harnessing Research, Science & Technology for Sustainable Development in Ghana; 15–19 March, 2004, Accra International Conference Centre, Accra, Ghana.
- Intensive Leadership Training; 20 May–15 August, 2004, Berea University of Graduate Studies, Seoul, South Korea.

### **Kaufmann, E. A. E.**

- The Aerospace Education Forum: Boeing International Office, Accra, October, 13–14, 2003.
- Workshop on KEWL, a Learning Management System Software: Towards E-learning in the University of Ghana: Staff Development and Learning Resource Centre. University of Ghana, May 19, 2004.
- Workshop on KEWL, a Learning Management System software: towards E-learning in the University of Ghana: Staff Development and Learning Resource Centre. University of Ghana, August 2–3, 2004.

### **Nkrumah, G.**

- First National Forum on Harnessing Research, Science & Technology for Sustainable Development in Ghana; 15–19 March, 2004, Accra International Conference Centre, Accra, Ghana.
- The 14th Faculty of Science Colloquium, University of Ghana, Legon 27–28 April, 2004.
- Workshop on KEWL, A Learning Management System Software: Towards E-Learning in the University of Ghana. 19th May, 2004, Legon, Accra, Ghana.

### **Adeleye, M.**

- 10th Edward Bouchet/Abdus Salam Regional College on Functional Analysis and Differential Equations. 12–24 July, 2004, Legon, Accra, Ghana.
- The 14th Faculty of Science Colloquium, University of Ghana, Legon 27–28 April, 2004.

### **Hughes, A. F.**

- Carnegie Corporation Project: Faculty Training Workshop, University of Ghana. 18–19 September, 2003, Legon, Accra, Ghana.
- RETScreen® International Trainers Workshop. 11–12 February, 2004, Accra, Ghana.

- The 14th Faculty of Science Colloquium, University of Ghana, Legon 27–28 April, 2004.
- Workshop on KEWL, A Learning Management System Software: Towards E-Learning in the University of Ghana. 19th May, 2004, Legon, Accra, Ghana.
- 10th Edward Bouchet/Abdus Salam Regional College on Functional Analysis and Differential Equations. 12–24 July, 2004, Legon, Accra, Ghana.
- Workshop on KEWL, A Learning Management System Software: Towards E-Learning in the University of Ghana. 2–3 August, 2004, Legon, Accra, Ghana.

## **DEPARTMENT OF STATISTICS**

### **Overview**

There were few developments in the department in the past year (2003/2004). Our need and desire for a modern Computing and Audio-visual Laboratory is still pending. The issue has been discussed with the University administration who have been very sympathetic to our course, and have supplied us with one brand new Computer. The department is anxiously waiting for the supplies for the laboratory.

There has been a modest improvement in our staffing position. One lecturer was away on sabbatical leave prior to retirement, having post-poned his leave to enable another colleague to be away on a one-year study tour. Our two colleagues, Mr. E. N. N. Nortey and Mr. F. O. Mettle who were appointed tutors have been confirmed as lecturers. Dr. I. Baidoo from the United Kingdom joined the department at the beginning of the academic year.

### **Courses Offered**

No changes.

The department offered courses under the programmes leading to the award of B.Sc., BA and M.Phil in Statistics. The courses covered areas such as Statistical Methods, Probability Theory, Sampling Theory, Design of Experiments, Data Analysis, and Non Parametric Inference.

### **Student Numbers**

Level 200	282
Level 300	142
Level 400	44
M.Phil	4
Ph.D	1
Service Courses for Biologist	590
<b>Total</b>	<b>1,063</b>

## Staffing Position

The break down of staff at post was:

- 1 Senior Lecturer
- 5 Lecturers
- 3 Part-Time Lecturers
- 1 Senior Staff
- 5 Junior Staff

## Research/Projects

### Danso-Manu, M. E.

The Design of an Information System for Health Intervention Programmes.

### Dr. F.K. Atsem

Long run growth rates in oscillatingly ergodic populations.

### Dr. I. Baidoo

- Toward data-driven university enrollment management strategies: a case study of student attrition risk factors.
- A modeling approach to managing loan credit risk in Ghanaian Rural Banks.
- Book – A practical guide to building statistical predict models.

### Mr. E. N. N. Nortey

Time series auto regressive integrated moving average modeling.

### Mr. F. O. Mettle

- Simulation studies in Demographic ergodicity.
- Spectral analysis of some economic variables in Ghana.

## Publications

None for the year under review.

## Conferences/Seminars

None for the year under review.

## DEPARTMENT OF ZOOLOGY

### Overview

The department continued to promote zoological research and to train young graduates in zoology, and to offer postgraduate programmes in **Parasitology**, **Insect Science** (Africa Regional Postgraduate Programme in Insect Science- ARPPIS), **Freshwater Biology** and **Biodiversity Studies**. The department also continued to offer extension/consultancy services to various public organizations and educational institutions. These included identification of zoological specimens for various departments of this university, the Ministry of Food and Agriculture (MOFA), private organizations and individuals. The department also collaborated with the Ghana Wildlife Society (GWS) and other non-governmental organizations to undertake wildlife and environmental research projects, as well as with the Volta Basin Research Project (VBRP) and Noguchi Memorial Institute for Medical Research (NMIMR) on joint research projects, student teaching and supervision, and technical support.

**Dr. D.K. Attuquayefio** was re-appointed Head of Department for a second two-year term. He also ended his four-year stint as the Executive Secretary of the VBRP, but continued to teach Forest Resources Management (ESCI 612) in the Postgraduate Environmental Science Programme (Faculty of Science) in addition to his other teaching responsibilities in this department and the Department of Nursing. He also continued to serve on the Academic, Faculty, and Medical School Boards, as well as the Admissions Boards of the Faculty of Science, Medical School and School of Allied Health Sciences of the College of Health Sciences.

**Prof. C. Gordon** was appointed the Dean of International Programmes, and continued to carry out research work on limnology and ecotoxicology with the Volta Basin Research Project (VBRP). He also continues to lecture in the areas of Water Resource Management at the graduate level, and Freshwater Zoology at undergraduate level.

The department hosted a number of consultative meetings on the GEF/UNEP/CABI project entitled: "*Removing Barriers to Invasive Plant Management in Africa*", with **Dr. D. D. Wilson** as the lead person. The department also participated in the National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana, organized by the National Council for Tertiary Education (NCTE), in collaboration with the Ministry of Environment & Science, at the Accra International Conference Centre from 15-19 March, 2004, and continued its collaboration with the Volta Basin Research Project (VBRP) joint research projects, and shared lecturers/research fellows, technicians and students.

**Prof. D. Edoh** and **Mr. A Kyei-Baffour** continued to serve as President of the University Teachers Association of Ghana (UTAG), and Chairman of FUSSAG of the University, respectively.

## Courses Offered

The department offered courses at both undergraduate and postgraduate levels in such areas as vertebrate and invertebrate physiology and anatomy, ecology, genetics, pure and applied entomology, animal behaviour, evolution, parasitology and public health, aquatic biology, conservation biology, wildlife management, among others.

## Student Numbers

Levels	Student Numbers
100	520
200	450
300	90
400	45
M.Phil	7
Ph.D	3
<b>Total</b>	<b>1115</b>

## Staffing Position

During the academic year under review, the breakdown of teaching staff at post was:

- 3 Associate Professors
- 4 Senior Lecturers
- 5 Lecturers/Research Fellows
- 1 Assistant Lecturer
- 6 Part-time Lecturers, comprising 1 Professor (retired), 2 Associate Professors (retired), 1 Senior Lecturer, and 2 Lecturers

Out of this number, 1 Senior Lecturer was on leave of absence, 1 Lecturer was on sabbatical leave, and 1 Lecturer was on study leave.

There were 18 non-teaching staff comprising 7 Senior and 11 Junior Staff as follows:

- 10 Technical Staff (1 Chief Technician, 1 Principal Technician, 1 Senior Technician, 3 Technicians, 2 Assistant Technicians, and 1 Technical Assistant).
- 2 Administrative Staff (1 Principal Administrative Assistant, and 1 Clerk Grade I).
- 6 Support Staff (1 Departmental Assistant, 1 Driver Grade I, 2 Messenger/Cleaners, and 2 Temporary Gardeners).

## Research Projects

### Attuquayefio, D. K.

- *Consultant Vertebrate Mammalogist and Herpetologist*, to undertake faunal

surveys of a mining concession at Prestea-Bondaye in the Wassa West District of the Western Region of Ghana, for and EIA and the development of Management Plan, commissioned by Bogoso Gold Limited (BGL).

- Gender and biodiversity conservation in the Central region, Ghana.

#### **Ntiamao-Baidu, Yaa**

- Ecological studies on wetland habitats and waterbirds and monitoring of wetland resources.
- External parasites of wild animal in Ghana.

#### **Wilson, D. D.**

- Continued research on the biology and integrated management of a number of field and storage pest, in collaboration with Ghana Atomic Energy Commission (GAEC), Plant Protection and Regulatory Services Division (PPRSD) of the Ministry of Food and Agriculture (MOFA), and the International Institute of Tropical Agriculture (IITA), Benin.
- Continued work on the Biological Control of Aquatic Weeds in Ghana and West Africa, in collaboration with Water Research Institute (WRI), Environmental Protection Agency (EPA), and the Volta River Authority (VRA) in Ghana, and *l'Institut de Economie Rurale* in Mali.
- Continued work on control measures for major aquatic and terrestrial invasive plant species in Ghana under the GEF/UNEP/CABI project, in collaboration with WRI, EPA, VRA, *l'Institut de Economie Rurale* (Mali), PPRSD-MOFA, Forestry Research Institute of Ghana (FORIG), Crops Research Institute (CRI) and Crop Science Department, University of Ghana.

#### **Edoh, D. A.**

- Disease identification and distribution of agents
- Specificity and sensitivity of identification methods
- Control of communicable diseases
- Genotypes

#### **Cobblah, M. A.**

- The use of insects as food and in herbal medicine in Ghana
- Systematics and ecology of sand flies implicated in the transmission of Leishmaniasis in the Volta Region of Ghana
- Biological studies of pests and parasitoids associated with cabbage (*Brassica oleraceae*)
- Effect of insecticides on parasitoids of major pests of cabbage (*Brassica oleraceae*)
- Role of termites in soil movement
- Identification and planning of a control project for the evasive plants *Chromolaena odorata* and *Broussonetia papyrifera* (GEF-funded project).

#### **Darpaah, G. A.**

- Continued research on the economic development of the two local shrimp species, *Penaeus notialis* and *Penaeus kerathurus*, as well as the newly-established "exotic species" *Penaeus monodon*, as culturable shrimp species.

**Kyerematen, Rosina A. K.**

- Continued research work on chironomids of Southern Ghana.
- Research work on chironomids of the Amansuri, Western Region of Ghana.
- Survey of Butterflies and other charismatic insects of the Amansuri Conservation Area, Western Region of Ghana.

**Yirenya-Tawiah, Dzidzo R.**

- Continued research on genital schistosomiasis in the Lower Volta Basin.

**Gbogbo, F.**

- Wetland ecology and waterbird conservation.

**Extension****Attuquayefio, D.K.**

- Continued consultancy services for the following organizations: Bogoso Gold Ltd., Ghana Wildlife Society (GWS).
- Member, Man and Biosphere National Committee (UNESCO/EPA)
- Member, National Advisory Committee, African NGO-Government Partnership for Sustainable Biodiversity Action.
- Referee/Assessor, *West African Journal of Applied Ecology (WAJAE)*; *Ghana Journal of Science*.
- Member, Board of the Faculty of Science
- Member, Academic Board
- Member, UGMS Admissions Board
- Member, School of Allied Health Sciences Admissions Board.
- Member, Board of the Friends of the National Zoo (FONZ).
- External Examiner, University of Cape Coast (Department of Zoology).
- *Patron*, Zoology Students' Association (ZOSA), University of Ghana, Legon (1997).
- Guest Speaker, Achimota School Special Student Lectures, Aggrey Memorial Chapel (2000). Topic: *Endangered Animals of Ghana*.
- Guest Speaker, Rotary Club of Accra West Luncheon Meeting, Golden Tulip Hotel, Accra (28 July, 2004): Topic: *The Implications of Cloning For Mankind*
- Membership of the following Professional/Learned Bodies.
  - Mammal Society, London, U.K.
  - Ghana Science Association (GSA).
  - Ghana Association for the Conservation of Nature (GACON).
  - University of Ghana Alumni Association.
  - University of Guelph Alumni Association.

**Ntiamoa-Baidu, Yaa**

- Involvement in several environment and nature conservation programmes nationally and internationally including:
  - Director, World Wildlife Fund for Nature (WWF) Africa and Madagascar Programme.
  - Chairperson, Ghana Wildlife Society Management Board.

**Wilson, D. D.**

- Member of the National Water Hyacinth Control Committee.
- Board Member, Friends of the National Zoo (FONZ).
- Chairman, Editorial Committee, Faculty of Science Colloquium (2004).

**Edoh, D. A.**

- Membership of:
  - University Council
  - Academic Board
  - Faculty of Science Board
  - Departmental Graduate Studies Committee
  - Faculty Textbook Committee
  - Standing Joint Negotiating Committee on Salaries
- President (Local and National), University Teacher's Association of Ghana (UTAG)
- Tutor, Mensah Sarbah Hall
- Academic Advisor (Level 300), Zoology Department
- Continued membership of the following Associations.
  - American Society of Parasitologists (USA)
  - American Society of Cell Biologists (USA)
  - Swiss Society of Molecular Biologists (Switzerland)
  - Ghana Science Association
  - Ghana Association of Biomedical Scientists

**Cobblah, M. A.**

- Insect identification and consultancy services to the general public, universities, scientists, schools, and farmers.
- Technical consultant to the Environmental Impact Assessment (EIA) Team for the West African Gas Pipeline (WAGP) Project.

**Darpaah, G. A.**

- Research results from the University of Ghana/VRA Fisheries Aquaculture Research Station continue to be made available, gratis, to all prospective small-scale fish farmers. Prospective entrepreneurs intending to go into large-scale commercial shrimp mariculture are also guided to make good investment decisions based on research findings from the Research Station.
- Provision of field training at the VBRP Fisheries Research Centre at Ada, for under-graduate and post-graduate Marine Biology and Aquaculture students of the Departments of Zoology and Oceanography/Fisheries.
- Advisor on the impact of the environment on the ecology and biology of the biota in the aquatic biotope (including the near shore areas of the marine environment, the coastal lagoon, and wetlands) of the coverage areas of the West African Gas Pipeline Project.

**Kyerematen, Rosina A. K.**

- Member, Editorial Committee, Faculty of Science Colloquium.
- Member, Academic Board, University of Ghana, Legon.
- Member, Board of the Faculty of Science.

- Facilitator, WHO-AFRO Training course for middle level public health entomologists and environmental health officers in intergrated vector management, 6th Oct-14th Nov. 2003.
- Resource Person, Centre for School and Community Science and Technology Studies (SACOST).
- Consultancy services for Ghana Wildlife Society (GWS).
- Co-Executive Director, PROTECT, Ghana (an environmental awareness NGO)
- Facilitator/Resource person, The macro invertebrates of riverine wetlands in Ghana – A Darwin Initiative Project.
- Member, Local Organizing Committee (LOC), 16th AAIS Conference in Accra, Ghana, 6-10th June, 2005.
- Executive Member, Aids Volunteers Ghana Association (AVGA).

### **Yirenya-Tawiah, Dzidzo R.**

- Glofound Development Organisation: Organized and implemented a clinic in a low-income area (Accra New Town) with the support of Unilever Ghana, Latter-Day Saints Charities, Mr. Biggs, and Gloria Maternity Home.

### **Publications**

- **Attuquayefio, D. K.** (2004). Snakes of Ghana: Myth, Science and Reality. *Ghana Journal of Science*. Vol. 44 (in press).
- **Attuquayefio, D. K.** & Ryan, J. M. (in review). Taxonomic report on the mammals of two coastal wetlands in Ghana. *West African Journal of Applied Ecology*.
- **Attuquayefio, D. K.** & Fobil, J. N. (in press). An Overview of Biodiversity Conservation in Ghana: Challenges and Prospects. *West African Journal of Applied Ecology*.
- Owusu, E.H., **Attuquayefio, D. K.** & Asamoah, A. (2004). Faunal Surveys: Beta Boundary Project-Bondaye. Report to Bogoso Gold Limited, Bogoso, Western Region, Ghana. 41 pp.
- Wuver, A.M. & **Attuquayefio, D. K.** (in press). Human activities and biodiversity conservation in the Central Region of Ghana. *West African Journal of Applied Ecology*.
- Wuver, A.M. & **Attuquayefio, D. K.** (in press). Human Activities and Biodiversity Conservation in the Central Region of Ghana. *West African Journal of Applied Ecology*.
- Vordzogbe, V.V., **Attuquayefio, D. K.** & Gbogbo, F. (in press). The Flora and Mammals of the Moist Semi-Deciduous Forest Zone in Sefwi Wiawso District of the Western Region, Ghana. *West African Journal of Applied Ecology*.
- Gbogbo, F., **Attuquayefio, D. K.**, Krobea-Asante, A. (in press) Rodents and Herpetofauna as Household Pests in the Accra Metropolis, Ghana. *West African Journal of Applied Ecology*.
- Kalmoni, Y. & **Attuquayefio, D. K.** (2004). Snakes and Snakebites of the Amansuri Conservation Area in the Jomoro District (Western Region, Ghana): Local Perceptions, Attitudes and Beliefs. *Journal of the Faculty of Science* (in review).

- **Ntiamoa-Baidu, Y.**, Carr-Saunders, C., Matthews, B.E., Preston, P.M. & Walker, A.R. (2004). An Updated List of the Ticks of Ghana and an Assessment of the Distribution of the Ticks of Ghanaian Wild animals in Different Vegetation Zones. *Bulletin of Entomological Research*, 94: 245-260.
- **Ntiamoa-Baidu, Y.**, Zeba, S., Gamassa, D. M. & Bonnehin, L. (2001). Principles in Practice: Staff Observations of Conservation Projects in Africa. BSP, Washington. 93 pp.
- **Ntiamoa-Baidu, Y.**, Owusu, E. H., Daramani, D. T. & Nuoh, A. A. (2001). Important Bird Areas of Ghana. Chapter in Fishpool, L.D.C & Evans, M.I. (Eds.). Important Bird Areas in Africa and Associated Islands, Priority sites for Conservation. pp 367-389.
- **Edoh, D. A.** & Toku, F. (2002). Influence of Biomedical Sciences on National Health Insurance Scheme in Ghana. *African Journal of Health Science*, 9 (1-2): 51-60.
- **Edoh, D. A.** & Adjei, R. (2002). Rapid Assessment of a National Tuberculosis (TB). Control Programme in Eastern Ghana. *African Journal of Health Science*, 9 (3-4): 159-164.
- **Edoh, D. A.** & Brenya, A., (2002). A Community-based Feasibility Study of National Health Insurance Scheme. *African Journal of Health Science*, 9 (1-2): 41-50.
- **Wilson, D. D.**, Awuah, P. & deGraft-Johnson, K. A. A. (2004). Population Build-up and Impact of *Nechetina* spp. on Water Hyacinth: A Mesocosm Study. *Journal of the Faculty of Science* (in review).
- **Wilson, D. D.** & deGraft-Johnson, K. A. A. (2004). Biological Control of Aquatic Weeds in Ghana (Abstract). In: Prevention and Management of Invasive Alien Species: Forging Co-operation throughout West Africa. Proceedings of the Regional Workshop, Accra, Appendix XXVI, CABI, Nairobi.
- Adjei-Boateng, S., Obeng-Ofori, D. Gbewonyo, W. S. K., and **Wilson, D.** (2003). Efficacy of Neem Biopesticides for the Management of Mealy Bugs, *Dysmicoccus* spp. and Mealy Bug- associated Pineapple Wilt in Ghana. *Ghana Journal of Horticulture*, 2: 92-99.
- Osaе, M., Cherry, A., **Cobblah, M. A.**, **Wilson, D.** & Djegui, D. (2004). Horizontal Transmission of *Plutella xylostella* Granulovirus (PlxyGV) in diamondback moth *Plutella xylostella* (Lepidoptera: Yponomeutidae). *Journal of the Faculty of Science* (in review).
- Awadzi, T.M., **Cobblah, M. A.**, & Madsen-Breuning, H. (2004). The role of termites in soil formation in the tropical semi-deciduous forest zone of Ghana. *Danish Journal of Geography* (in press).
- Mamuye, H., Wilson, M. D., **Cobblah, M. A.**, & Boakye, D. A. Cytotaxonomic description of *Simulium kaffaense*, a new member of the *Simulium damnosum* complex (Diptera: Simuliidae) from southwestern Ethiopia. *Annals of Tropical Medicine and Parasitology* (in press).
- Acheampong, F. & **Kyerematen, R. A. K.** (submitted) Four new species of Chironominae Marquart, 1838 (Diptera: Chironomidae) from the Amanzuri conservation Area, Western Ghana. *Norwegian Journal of Entomology*.

- Gyebi, A. M. & **Kyerematen, R. A. K.** (submitted) Three new Chironomid species from a man-made pond in Medie, a small settlement in the Greater-Accra Region of Ghana. *Tijdschrift Voor Entomologie*.
- Tawiah-Sarpong, K. & **Kyerematen, R. A. K.** (submitted) Three new species of Tanypodinae Thienemann & Zavrel, 1916 (Diptera: Chironomidae) from the Amanzuri Conservation Area, Western Ghana. *Chironomus*.
- Botchway, S. N., Wiafe, G. & **Kyerematen, R. A. K.** (submitted) Is the Amanzuri Lake under threat from microalgae? *Ghana Journal of Science*.
- **Gbogbo, F., Attuquayefio, D. K.,** Krobea-Asante, A. (in press) Rodents and herpetofauna as household pests in the Accra Metropolis, Ghana. *West African Journal of Applied Ecology*.

## Conferences / Workshops / Seminars

### **Attuquayefio, D. K.**

- Workshop on the Provision of Graduate Education in the Causes, Effects, and Control of Environmental Problems in Ghana. Delivered a paper (with Atuora, P.C.K., Ardayfio-Schandorf, E. & Yeboah, S.) Titled: "*The Role of Gender in the Exploitation, Utilization, and Conservation of the Grasscutter, Thryonomys swinderianus, in the Gomoa District*". Cresta Royale Hotel, North Dzorwulu, Accra (7-8 June, 2004).
- 14th Faculty of Science Colloquium on the theme: "*Creating Opportunities for Science in National Development*". Department of Biochemistry and Food Science Annex. Presented a paper (with Y. Kalmoni) titled: "*Snakes and Snakebites of the Amanzuri Conservation Area in the Jomoro District (Western Region, Ghana): Local Perceptions, Attitudes and Beliefs*" (27-28 April, 2004).
- National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana. Accra International Conference Centre (15-19 March, 2004).
- White-necked Picathartes (*Picathartes gymnocephalus*) National Stakeholders' Workshop on an Action Plan for the Globally Threatened Birds in Africa Ghana. Cresta Royale Hotel, North Dzorwulu, Accra (28-29 January, 2004).
- First Workshop on Faunal Surveys of Globally Significant Biodiversity Areas (GSBAs) in Ghana. IRNR Auditorium, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi (15 January, 2004).

### **Ntiamoa-Baidu, Yaa**

- Waterbirds Around the World, A global review of the conservation management and research of the world's major flyways, Edinburgh, UK, April 2004.

### **Wilson, D.D.**

- Faculty of Science Colloquium, University of Ghana, Legon (29-30 April, 2004). Papers presented:
  - "*Population build-up and impact of Neochetina spp. on water hyacinth: a mesocosm study*".

- "Horizontal transmission of *Plutella xylostella* Granulovirus (PlxyGV) in diamondback moth *Plutella xylostella* (Lepidoptera: Yponomeutidae)".
- Regional Workshop on Prevention and Management of Invasive Alien Species: Forging Co-operation throughout West Africa (9–11 March, 2004) (Accra). Paper presented: "Biological control of aquatic weeds in Ghana".
- Needs Assessment Workshop, UNDP/UNEP/CABI Project, CSIR, April 15–16, 2004. Papers presented: "Control Plans for Invasive Plant Species in Ghana".

#### **Cobblah, M.A.**

- *Resource Person*, International Training Course for Middle-Level Public Health Entomologists and Environmental Health Officers in Integrated Vector Management. Organized by UN Regional Office for Africa. NMIMR, University of Ghana (6 October–14 November, 2003).
- First National Forum on Harnessing Science and Technology for Development, Accra International Conference Centre (15–19 March, 2004).
- 14th Faculty of Science Colloquium, University of Ghana (17–18 April, 2004).
- First Annual Scientific Conference, University of Ghana Medical School, College of Health Sciences. La Palm Royal Beach Hotel (12–14 May, 2004).
- Ghana Science Association 9th Biennial Workshop, University of Cape Coast (8 May, 2004).
- Training Workshop on Field Identification, Processing and Biology of Sandflies. Organized by Naval American Research Unit No. 3 Cairo, Egypt. NMIMR, University of Ghana (29 April–10 May, 2004).
- Training Workshop on Electronic Information Resources for Senior Female Scientists. Organized by INSTI (CSIR) (18 August, 2004).

#### **Kyerematen, Rosina A.K.**

- Faculty of Science Colloquium, University of Ghana, Legon. 27th & 28th April, 2004.

#### **Yirenya-Tawiah, Dzidzo R.**

- National HIV/AIDS Research Conference, La Palm Royal Beach Hotel. Presented a paper (with Amoah C., Bosompem, K. M. Tonah, S. & Ofori, B.D.) on "Genital Schistosomiasis and HIV/AIDS in the Lower Volta Basin" (11–13 February, 2004).
- National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana. Accra International Conference Centre (15–19 March, 2004).

#### **Benefactions**

The department is very grateful to the following:

- **Prof. Jan Decher** and colleagues of **Western Kentucky University, USA**, for the donation of biology textbooks and assorted learning aids.
- **Mr. W. Edwin Sharp** of the Department of **Zoology, University of South Carolina, USA** for donation of back volumes (1999–2003) of *Natural History* Magazine for the Departmental Library.

# FACULTY OF SOCIAL STUDIES

## DEPARTMENT OF ARCHAEOLOGY

### Overview

During the 2003/2004 Academic Year the Department of Archaeology provided teaching, research and extension services within the constraints presented by increasing number of students and limited resources. Plans to transform the Department's Museum into a well-organised and first class Public and Teaching Museum were on course. To this end, Mr. Elvis Aboluah, a technician of the Department was assisted by the Ghana Bead Society and the Netherlands Management Cooperation Programme to undergo training in Museum Education in the Netherlands. The French Embassy also provided assistance for the production of brochure for the Museum as well as for the publication of Prof. Oliver Davies' Field Notes compiled in the 1960s. The Department also honoured Prof. Joanna Casey for donating her entire salary (as a visiting scholar in the 2002/2003 Academic Year) for the purchase of computers and an air-conditioner at a special luncheon at which the University was represented by the pro-Vice Chancellor.

### Courses Offered

A wide range of courses was offered at both undergraduate, graduate levels. In all, 21 undergraduate and 11 graduate courses were offered in the year.

### StudentNumbers

Student enrolment in the various programmes in the Department was as follows:

Level 100	-	695
Level 200	-	636
Level 300	-	113
Level 400	-	22
M. Phil I	-	1
M. Phil II	-	3

### Staff

Full-time academic staff comprised:

- 1 Professor (on post-retirement contract)
- 3 Senior Lectures (one on post-retirement contract)
- 2 Lecturers

Dr. Kodzo Gavua, a Senior Lecturer, was on sabbatical leave.

## **Research**

### **Boachie-Ansah, J.**

- Analysed materials from the slave site at Kasana and excavated two sites, Mount Mary and Adjikpo Yokunya. 2.

### **Anquandah J.R.**

- Continued as Co-ordinator, Research Committee of the National Slave Route Project and organized a National Conference on the theme 'Rediscovering Ghana's Historic Slave Route.'<sup>2</sup>
- Undertook on behalf of the West African Gas Pipeline Project an Environmental Assessment Archaeological survey at Sega and Aboadze.

### **Bredwa-Mensah, Y.**

- Participated in the Promoting Partnership with Traditional Authorities Project (PPTAP), a World Bank and Asanteman Council project covering 17 Paramountcies in Asante.
- Undertook Historical and Archaeological research at Samori Toure's Slave Camp at Jenini, Brong-Ahafo Region.

### **Osei-Tutu, B.**

- Was engaged in the identification of Cultural Heritage Assets in the Ashanti Region

### **Okoro, J.A.**

- Undertook ethnoarchaeological research on ancient cisterns, boreholes and dams at Kakoshi, Salaga.

## **Seminars organized by the Department**

- Mr. Gerard Chouin of the French Department, and a Ph.D candidate, Department of Anthropology, Syracuse University, spoke on 'Long-term Landscape formation and change in Southern Ghana: New Archaeological Evidence (500-1700AD)'<sup>2</sup> on 2nd August, 2004.
- Dr. Ed Carr of the Department of Geography, University of Kentucky presented a seminar on his archaeological research at Dominase, titled 'They were looking for white Jobs'<sup>2</sup> on 23rd June, 2004.
- Prof. Joanna Casey of the Department of Anthropology, University of South Carolina, gave a seminar titled 'Globalization in the Late Stone Age: Ghana's place in Prehistoric 'Global Economics'<sup>2</sup> on 26th July, 2004.
- Dr. Benjamin Kankpeyeng of the National Museum presented a seminar titled 'The Archaeology of Kpalinworgu'<sup>2</sup> on 4th February, 2004.

## **Conferences, Seminars, Workshops Attended**

### **Boachie-Ansah, J.**

- National Slave Route Conference, Accra, November 3-5, 2003.

- Heritage Tourism Promotion and Tourism Satellite Accounting Seminar, Legon, February 11-20, 2004.

**Anquandah, J.R.**

- National Slave Route Conference, Accra, November 3-5, 2003.

**Bredwa-Mensah Y.**

- National Slave Route Conference, Accra, November 3-5, 2003.
- Annual Conference of the Historical Society of Ghana, Legon, 15-17 July, 2004.

**Osei-Tutu, B.**

- National Slave Route Conference, Accra, November 3-5, 2003
- Heritage Promotion and Tourism Satellite Accounting Seminar, Legon, February 11-20, 2004.

**Okoro, J.A.**

- National Slave Route Conference, Accra, November 3-5, 2003.

**Publications**

**Boachie-Ansah, J.**

- "The International Slave Route project: Report on excavation at Kasana, Upper-West Region, Ghana<sup>2</sup>, a 34 page report submitted to UNESCO, Accra Office, November, 2003.
- <sup>2</sup>Archaeological Research at Kasana: A search for evidence on the Historic Slave Traffic in the Upper-West Region of Ghana<sup>2</sup> (22 pages), Paper presented at the National Slave Route Conference, Accra, November 3-5, 2003.

**Anquandah, J.R.**

- <sup>2</sup>Inside the Slave Dungeon's of Ghana's Forts and Castles<sup>2</sup>, Paper presented at the National Slave Route Conference, Accra, November 3-5, 2003.

**Bredwa-Mensah, Y.**

- "Global encounters: Slavery and slave lifeways on nineteenth century Danish plantations on the Gold Coast (Ghana), West Africa." *Journal of African Archaeology*, Vol.2, No.2, 2004.
- (With Akosua Adoma Perbi) "Slavery and the Community space: historical and archaeological evidence from Jenini in the Brong-Ahafo Region." Paper presented at the Annual Conference of the Historical Society of Ghana, Institute of African studies, Legon, 15-17 July, 2004.

**Osei-Tutu, B.**

- "For us they do not mean the same thing as they do for you: Ghanaian and African American Perspectives about Ghana's Slave Castles/Dungeons." Paper presented at National Slave Route Conference, Accra, November 3-5, 2003.

- “Contested Monuments: Research in Ghana. *West African Research Association Newsletter*, Fall 2003: 16–17.

**Okoro, J.A.**

- “The Pangs of Slavery.” *Daily Graphic* July 17: Graphic Communications Group Ltd., Accra.
- A water story from Kakoshi: the only borehole.” *The Ghanaian Times*, March 30:6. New Times Corporation, Accra.
- “Development, Modernization and Indigenous Knowledge.” *The Ghanaian Times*, March 23:6. New Times Corporation, Accra.

**DEPARTMENT OF GEOGRAPHY AND RESOURCE DEVELOPMENT**

**Overview**

The Department continues to provide leadership and academic excellence in Geography and Resource Development. It also enjoys increasingly high patronage from under-graduate and graduate students. Projects based in the Department as well as Laboratory facilities continue to assist in building capacity of students and staff in teaching and research. There is, however, need for field equipment including a 33 seater vehicle to enhance practical training of students, office space for new staff, space for laboratory work and more computers for mapping science and Geographic Information Systems as well as for graduate studies and research. Computing facilities for undergraduate studies are non-existent in the Department.

**Courses**

The Department successfully offered courses at BA, M.Phil and Ph.D levels in such areas as Climatology, Population, Resources, Environment, Transportation, Industrial, Gender Studies, Historical Geography, Urban Studies and Regional Development etc. Senior Members in the Department are active in research and extension activities, also, in these areas (as indicated in appendices A to G). The following projects, administered by lecturers in the Department, continue to experience good progress during the academic year:

PLEC	–	Appendix	A
RSAL – Teaching and Research Lab	–	“	B
FADEP	–	“	C
GORTMAN PROJECT	–	“	D
NUFU PROJECT	–	“	E
PIP	–	“	F

## Student Numbers

Category	Number		
	2001/2002	2002/2003	2003/2004
<b>Undergraduates</b>			
Year 1 (Level 100)	210	364	373
Year 1 (Level 200)	30	32	29
Year 2 (Level 200)	250	365	327
Year 3 (Level 300)	174	210	213
Year 4 (Level 400)	101	165	176
<b>Graduates:</b>			
M.Phil (i, ii, iii)	27	18	17
Ph.D	6	8	9
Foreign Students	25	21	18

## Staff Position

During 2003/2004 academic year there were sixteen (16) Senior Members, four (4) Senior Staff and seven (7) Junior Staff at post under the headship of Professor Paul W.K. Yankson. There were 3 part-time lecturers to supplement teaching.

## Staff (2002/2003)

Dr. P.W.K. Yankson	-	Professor (and Head of Department)
Dr. George Benneh	-	Professor (Emeritus)
Dr. R.B. Bening	-	Professor
Dr. J. Songsore	-	Professor
Dr. J.S. Nabila	-	Professor
Dr. Elizabeth Ardayfio-Schandorf	-	Professor
Dr. E.A. Gyasi	-	Professor
Dr. S.T. Addo	-	Professor
Dr. E. Ofori-Sarpong	-	Professor
Mr. T.W. Awadzi	-	Senior Lecturer
Mr. S.K. Kufogbe	-	Senior Lecturer
Dr. A.B. Asiedu	-	Senior Lecturer
Dr. Mariama Awumbila	-	Senior Lecturer
Dr. S. Agyei-Mensah	-	Senior Lecturer
Dr. E. Morgan Attua	-	Lecturer
Dr. J.E. Koku	-	Lecturer
Mr. B.D. Ofori	-	Research Fellow

## Part-Time Lecturers

Prof. L.A. Dei  
Mr. E. Kusi-Minkah  
Dr. Richard Y. Kofie

## Visitors to the Department

During the year under review, the Department received a number of visitors including:

In November, 2003, (November 19 – December, 2003) Prof. Jan Erik Gustaffsen from the Royal Technical Institute (KTH), Stockholm was in the Department to give a short course on International Water Management. During the same period Mr. Thomas Alvateg, a Ph.D student from KTH was also here and participated in the seminar but spent most of the time on his Ph.D project on: Ground water Protection and Management in Regional Planning for Greater Accra Metropolitan Area. They were here in the framework of Linneaus – Palme Exchange Programme between the Department of Geography and Resource Development, University of Ghana and KTH, Stockholm, Sweden.

Forty-five (45) level 400 students mainly from Geography and Resource Development participated in the course. It was a very successful course. Course participants were awarded certificates at the end of the course.

In January, 2004, Professors Ragnhild Lund and Stig Jorgensen from the Department of Geography, Norwegian National Technical University (NTNU), Trondheim, Norway as well as Prof. Jonathan Mayer from the Department of Geography, Infections Disease and Public Health, University of Washington, Seattle, USA were here for the annual meeting of the NUFU project titled “New Face of Poverty in Ghana”. They also participated in a workshop titled “Gender, Health and Poverty” (January 4–8, 2004)

In June, 2003 the Department received Mr. Cliff Missen and Prof. McNulty from the University of Iowa in the context of University of Ghana and University of Iowa collaboration especially on the possibility of extending the Widernet Project of the University of IOWA to University of Ghana.

In February, 2004, the Department received two visitors. Professor Michael Hitchcock and Dr. A. Mananyi from the London Metropolitan University. They gave a series of lectures on Tourism Development. This was within the British Council supported link arrangement between the Department of Geography and Resource Development and London Metropolitan University on Tourism Development in Ghana.

In July, 2004, Prof. Michael McNulty of the University of Iowa visited the Department in connection with University of Ghana – University of Iowa link.

## **Research**

### **Yankson, P.W.K.**

- Decentralisation and Poverty Reduction: the Role of District Assemblies in Ghana (NUFU funded).
- Tree Management of off-Forest Reserves in the Goaso Forest District of Brong-Ahafo Region of Ghana (With Others and Funded by Tropenbos International).
- Urbanization, Housing Production and Tenancy Dynamics in Accra (Funded by French Government through CODESRIA).
- Mining and Quality of Ground Water in the Wassa West District (With Others and Funded by SIDA).

### **Bening, R. B.**

- International and Administrative Boundaries of Ghana, Land Tenure and Boundary Disputes in Northern Ghana.
- Development of Higher Education in Ghana.

#### **Songsore, J.**

- Environmental Health Watch and Disaster Monitoring in the Greater Accra Metropolitan Area (GAMA), Ghana.
- Privatization of Utility Services and Access by the Urban Poor.
- Addressing Water and Sanitation Deficiencies in Low-income Settings: Narrowing the Gap between Global Rhetoric and Local Action.

#### **Nabila, J. S.**

- Poverty, the Environment and Incidence of Buruli Ulcer in Ghana.
- Problems of Adolescent Sexual and Reproductive Health.
- Role of Chieftaincy in Good Governance.

#### **Ardayfio-Schandorf, Elizabeth**

- Gender and the Ghanaian Family – A Bibliographic Study.
- Energy in Poor Households.
- Urban Residential Mobility in the Greater Accra Region.
- Gender and Feminization of Poverty.

#### **Gyasi, E. A.**

- Research continued to focus on agricultural and rural development dynamics and agrobiodiversity management. Mainly it proceeded under the United Nations University Project on *People, Land Management and Ecosystem Conservation (UNU/PLEC)*.
- I continued to lead and co-ordinate UNU/ PLEC work in Ghana, as I continued to do with work on conservation of crop landraces under a project of the International Plant Genetic Resources Institute (IPGRI).
- I functioned as leader of team responsible for the *Land Management Assessment component of the Netherlands Climate Change Studies Assistance Programme of Ghana's Environmental Protection Agency* and, at the instance of the UNDP, I started preparation of a national report on *Experiences/ Best Practices and Lessons Learned in Mainstreaming Governance of Natural Resources (NR) into National Democratic Processes in Ghana*.

#### **Addo, S. T.**

- Continuation of research into environmental management in Manya Krobo under the Mate Coles (1892-1952)

#### **Awadzi, T. W.**

- The Role of Termites in Soil Formation in Three Major Ecological Zones of Ghana.
- Harmattan Dust Distribution, Amount and Nutrient Contents over Ghana.

**Kufogbe, S.K.**

- Remote Sensing, Geographical Information Systems (GIS) and Information Communications Technology (ICT) Applications.
- "Contamination of Water Resources in the Wassa West District": SARTARK Project of Research Collaboration Between the Swedish Agency for Research Collaboration (SIDA/SAREC), the Division of Land and Water Resources Engineering (KTH), Sweden and Department of Geography and Resources Development, University of Ghana, Legon (2004-2006).

**Asiedu, A. B.**

- Member of TROPENBOS Research Team that is developing Geographic Information System for the Management of off-Forest Reserves and Tree Resources in the Goaso Forest District of Brong Ahafo region.

**Awumbila, Mariama**

- Gender Equity, Rural Livelihoods and Land Tenure Reforms in Ghana.
- Gender and Poverty in Ghana as part of NUFU project "New faces of Poverty in Ghana".
- Developing an African Gender and Development Index.
- Breastfeeding and HIV/Aids Response Strategies in Ghana.
- Gender and Fertility Decline in Ghana.

**Agyei-Mensah, S.**

- The Population and Health of Ghana (Book Project).
- Poverty and HIV/AIDS in Ghana.
- Geo-Information Applications for Off-Reserve Tree Management in the Goaso District of Ghana.
- Population, Development and Environment in Metropolitan Accra.
- HIV/AIDS in Africa: Geographical Perspectives. Special Issue, Norwegian Journal of Geography. Volume 56, No. 1, 2005.

**Attua, E. M.**

- The Menace of Weeds and the Political Ecology of Agricultural Production in Ghana.
- Geoinformation Applications for Off-Reserve Tree Management in Goaso District, Ghana.

**Koku, J. E.**

- 'Contamination of Water Resources in the Wassa West District of Ghana: Linking Technical, Socio-Economic and Gender Dimensions'. (With Prof. Gunnar Jacks, Assoc/Prof. Prosun Battacharya & Dr. Nandita Sigh, Royal Institute of Technology, Stockholm-Sweden, and Prof. P.W.K Yankson and Mr. S.K. Kufogbe of the Department of Geography and Resource Development, University of Ghana). Study funded by SIDA/SAREC.
- 'Ethno-Biological Survey, Kyabobo National Park and Surrounding Areas in the Nkwanta District' (With Prof. C. Dorm-Adzobu, Water Resources Commission & Mr. Vincent V. Vordzorgbe, Botany Department, University of Ghana). Study Funded by World Conservation Union (IUCN).

- 'Environmental Education and Resource Conservation in Ghana' (with Prof. Walter Leal Filho, Technical University Hamburg-Harburg).

## **Extension and Other Activities**

### **Yankson, P. W. K.**

- Reviewer for Journal of University of Science and Technology (JUST) 2004
- Reviewer for International Development Planning Review, 2004.
- Assessor for Promotion to Senior Research Fellow, KNUST, 2004.
- Assessor for Promotion to Associate Professor, University for Development Studies, 2004.
- External Examiner, Department of Geography and Tourism, University of Cape Coast.
- President, Ghana Geographical Association, organized a National Congress in January, 2004.

### **Bening, R. B.**

- Co-editor, Ghana Social Science Journal.
- Member, Board, Faculty of Social Studies.
- Member, Academic Board.

### **Songsore, J.**

- Member, International Scientific Advisory Board (ISAB), NCCR North-South, University of Berne, Switzerland.
- Chairman, Wa Polytechnic Council.
- External Examiner, Midlands State University, Gweru, Zimbabwe.

### **Nabila, J. S.**

- Director, Population Impact Project (PIP)
- Member, Management Team, UNFPA Country Programmes
- Vice-Chairman, Board of Directors, National Population Council
- Member, National and Northern Regional Houses of Chiefs
- Chairman, Research Committee, National House of Chiefs
- Member of Trustees of the Ghana Institute of Engineers: Engineering Innovation and Research Foundation
- Member, Governing Council of CERSGIS, Legon
- Editor, Bulletin of the Ghana Geographical Association
- Member, Academic Board

### **Gyasi, E. A.**

- Co-ordinating Leader, PLEC-Ghana (Ghana sub-cluster of the United Nations University Project on '*People, Land Management and Ecosystem Conservation*' - UNU/PLEC).
- National Focal Point/Person, IPGRI (International Plant Genetic Resources Institute) Project on '*Community-Based Management of On-Farm Plant Genetic Resources in Arid and Semi-Arid Areas of Sub-Saharan Africa*'.
- Member, Akuapem Campus Implementation Committee, Presbyterian University College.

### **Kufogbe, S. K.**

- Assistant Secretary, Ghana Geographical Association, Organizing Activities of the Association including the National Congress.
- Website development on the sub-theme 'Ghana: Land and Environment' for Ghana National Commission on Culture.

### **Awumbila, Mariama**

- Member – Steering Committee of the Gender and Geography Commission of the International Geographical Union (IGU).
- Member – Ghana Statistical Service Board.
- Member – World Vision, Ghana, National Advisory Council.
- Member – Ford Foundation, International Fellowship Program Selection Committee.

### **Agyei-Mensah, S.**

- Member, International Advisory Board, Population Environment Research Network of the International Union for The Scientific Study of Population (IUSSP)
- Reviewer, Journal of Biosocial Science, Social Science and Medicine.
- Assistant Editor, Bulletin of the Ghana Geographical Association
- Programme Secretary, NUFU Project, Department of Geography and Resource Development, University of Ghana.
- Tutor, Legon Hall.

### **Koku, J. E.**

- Member, Editorial Board, *Handbook of Sustainability Research*. Technical University of Hamburg-Harburg, (TuTech, Germany).  
See: <http://www.projekte.org/handbook/participation.html>.
- Resource Person, NovAfrica, Centre for Innovation in Development, Pretoria, South Africa. Assisting with the Training of Extension Workers of the Limpopo Province Department of Agriculture in the Use of Participatory tools/techniques, and in the documentation of success cases in the LPDA/BASED project.

## **Publications**

### **Yankson, P. W. K.**

- K.V. Gough and **P.W.K. Yankson** (2003) "Associational Life in Urban Ghana" in *SEREIN-Occasional Paper Number 15 (Proceedings of the 15th. Danish Sahel Workshop, 6-7 January, 2003*. Edited by Soren Lund, Kristine Juul, Christian Lund and Rikke Harpoth) p. 7-21.
- P.W.K. Yankson (2003) "Land Resources Management for Human Settlement and Industrial Development" in *Land as a Resource for Development* (Proceedings of Ghana Academy of Arts and Sciences Vol. xxxvi, 1997, Accra, p.106-128).

### **Bening, R. B.**

- Administrative Areas and Boundaries of Ghana 1874–2000, Accra: Ghana Universities Press, 2004.
- “Location of Public Institutions of Higher Education in Ghana” Bulletin of the Ghana Geographical Association, No. 23, 200, pp. 1–13.

### **Songsore, J.**

- Jacob Songsore, (2003), *Regional Development in Ghana: The Theory and The Reality* (Accra: Woeli Publishing Services), 325pp.
- Jacob Songsore, (2003), “The State, Agrarian Crisis and Food Self-sufficiency in Africa”, in Helen Lauer(ed), **History and Philosophy of Science for African Undergraduates**. (Ibadan; Hope Publications), pp.170–182.
- Jacob Songsore and Gordon McGranahan, (2003), “Women’s Household Environmental Caring Roles in the Greater Accra Metropolitan Area: A Qualitative Appraisal”, *Institute of African Studies Research Review, New Series*, Vol. 19, No.2, 2003, pp.67–83.
- J. Songsore, G. McGranahan & M. Kjellen, (2004), “Tenure, Housing and Environmental Management Among Families in the Greater Accra Metropolitan Area (GAMA) of Ghana”, *Institute of African Studies Research Review, Supplement 15*, pp.69–83.

### **Nabila, J. S.**

- Kofi, Richard and Nabila, John S: Buruli Ulcer and Poverty, Health and Gender – Proceedings of Seminar on N JFU Project by Geography and Resource Development – Forthcoming.
- Nabila, Naa Prof. John S. and Alhassan, Dr. Osman: Criteria for the Evaluation of Traditional Authority in Contemporary Ghana: Paper presented at the Seminar on the Contemporary Relevance of Tradition. Forthcoming publication by Ghana Academy of Arts and Sciences.
- Codification of Customary Laws and Lines of Succession for Good Governance: Paper Presented at the National Governance Workshop on Traditional Authority and Good Governance: Implication for Democratic Consolidation. To be published by the National Governance Programme.

### **Ardayfio-Schandorf, Elizabeth**

- Endangered, Under-utilized or Marginalized Food Resources in Ghana: A Time to manage them Properly. Submitted to the Conference on Contributing Towards Poverty Alleviation in Ghana by Integrating Biological Food Resources or Under-utilized in Ghana’s Socio-Economic Development Organized by the Centre for Biodiversity Utilization and Development, 10–13th December 2003, Elmina, Ghana
- NGOs and the State in Ghana and India: An Exploration of New NGO-State Relationships and Their Impact on Poverty Eradication Programmes. An Introduction Submitted to the Proceedings of Ghana Workshop, Aburi, 7th June, 2004.

**Gyasi, E. A.**

- Principal Editor, **Managing Agrodiversity the Traditional Way: Lessons from West Africa in Sustainable Use of Biodiversity and related Natural Resources**, forthcoming book, UNU Press.
- Co-author (2004) *Sustaining Resource Conservation and Development Initiatives Through Farmers' Associations: PLEC Experiences in Ghana*, **PLEC News and Views**, New Series, 5: 9–14.

**Addo, S. T.**

- Geography, Transport and Development: A Spatial Trinity (Chronological Evaluation of the Ghanaian Scenario in the 20th and early 21st Centuries) 2004. Publisher: Ghana Universities Press, (In Print) Legon.

**Ofori-Sarpong, E.**

- Ofori-Sarpong, E. (2003). The impact of the 1997/98 El Nino event on Ghana, *Akuaho Hall Alumni Association Journal* Vol. 1 pp.88-105, 2003.
- Ofori-Sarpong, E. et al (2004). "Sahelian Livelihoods on the Resound: A Critical Analysis of Rainfall Drought Index and Yields in Sahelian Agriculture". In: *The impact of climate change on Drylands with Focus on West Africa*. Eds Dietz A.J. Ruben R. and Verhagen, A. 2004 pp. 61–78
- Ofori-Sarpong, E. et. Al (2004). "Climate and Livelihood change in North East Ghana": In: *The impact of climate change on Drylands with focus on West Africa*. Eds. Dietz, A.J., Ruben R. and Verhagen, A. 2004 pp 149–172.
- Ofori-Sarpong, E. et al (2004). *Climate change preparedness in West Africa*". In: *The impact of climate change on Drylands with focus on West Africa*. Eds. Dietz, A.J., Ruben R. and Verhagen, A. 2004 pp 403–409.

**Awadzi, T. W.**

- Awadzi, T.W.; Ahiabor, E.; Breuning-Madsen, H., *Soil Land Use Systems in a Sandspit Area in the Semi-Arid Tropics – Development Sustainability and Threats*. Accepted for publication in *Human Ecology* Vol. 33 No. 1 2005
- Breuning-Madson, H., Awadzi, T.W.; Mount, H.R.: *The Classification of Soils Modified by Termite activities in the Tropical Moist Semi-Deciduous Forests of West Africa*. Accepted for publication in *Soil Survey Horizons in the Winter Issue* 2004.

**Kufogbe, S.K.**

- Ayivor, J.S. and Kufogbe, S. K. 2004. "Post-Dam Agro-Ecological Challenges of the Lower Volta Basin in Ghana." (Forthcoming 2004) *Bulletin of the Ghana Geographical Association*, No. 23, 2001.
- Kufogbe S.K., Amatekpor, J. K. Duadze, S. E, Kodzo, W. and Allotey A. 2004 "Land Use/Cover Change in the Lower Volta Basin" Paper Presented at the National Congress of the Ghana Geographical Association (GGA), University of Ghana, Legon, 15–17 February, 2004.
- Koku J.E, Langaas S, , Attua M and Kufogbe, S.K. "Bushfire Occurrence and Prevention in Rural Ghana: Perspectives from South Tongu District. Paper Presented at the National Congress of the Ghana Geographical Association

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- Kufogbe S.K. 2004 "Environmental Information Systems: A situation Analysis in Sub-Saharan Africa", Technical Paper Presented at the Royal Institute of Technology (KTH), Department of Land and Water Resources Engineering, Stockholm, Sweden.

#### **Asiedu, Alex B.**

- Asiedu, A.B. (2003): "Factors of Satisfaction in Visiting a Peri-Urban Botanic Garden in Ghana" *Indian Geographical Society Journal*, Vol. 65, No 4, December.
- Asiedu, A.B (2004): "Some Benefits of Migrants Return Visits to Ghana", *Population, Space and Place*, Vol. 10. Published On-Line in Wiley Interscience ([www.interscience.Wiley.Com](http://www.interscience.Wiley.Com)).

#### **Awumbila, Mariama**

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- Benneh, G; Awumbila, M. and Effah, P. (eds) (2004) *African Universities, the Private Sector and Civil Society: Forging Partnerships for Development*. Ghana Universities Press, Accra, 2004.
- Awumbila, M. (2004) "*Socio-Cultural Dynamics of Breastfeeding Practices in North-Eastern Ghana: Implications for HIV/AIDS Response strategies*". In *Bulletin of the Ghana Geographical Association*, Number 23 (in press)
- Awumbila M., Fayorsey C.; "*Developing an African Gender and Development Index*" Nyarko, P. (2004) Technical Report Submitted to the African Center for Gender and Development, UNECA. Addis Ababa, Ethiopia, May, 2004

#### **Agyei-Mensah, S.**

- Akyeampong, E and Samuel Agyei-Mensah (2004). *Itinerant Gold Mines? Mobility, Sexuality and the Spread of Gonorrhoea and Syphilis in Twentieth Century Ghana*. In C. Opong, Y. Opong and I. Odotei (eds.). *Sex and Gender in an Era of AIDS: Ghana at the Close of the 20th Century*. Sub-Saharan African Publishers.
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#### **Attua, E. M.**

- Attua, E. M. (2003). Land Cover Change Impacts on the Abundance and Composition of Flora in the Densu Basin, *West African Journal of Applied Ecology*, vol 4, Legon.
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- Attua, E. M. (forthcoming). Ecological assessment of carbon sequestration and partitioning in regenerating fallow systems – peer reviewed and accepted for publication in West African Journal of Applied Ecology.
- Attua, E. M. (forthcoming). Land cover mapping of the Densu Basin: Interpretations from Multi-spectral imagery – peer reviewed and accepted for publication in the Bulletin of the Ghana Geographical Association, Legon.
- Opoku, P and Attua, E. M. (forthcoming). Local Differentiation of land-use/cover change in the Forest-Savannah transition zone of Ghana – in preparation.

#### **Koku, J. E.**

- Koku, J. E. & Langaas, S. (2004). Bushfire Occurrence and Prevention in Rural Ghana: The Case of the South Tongu District. Paper presented at the Ghana Geographical Association Congress, University of Ghana, Legon-Accra. January 15–17, 2004.
- Koku, J. E (2003). Tree planting, local knowledge and specie preference in the South Tongu District of Ghana. A case study. *GeoJournal* **57**: 227–239. Kluwer Academic Publishers, The Netherlands.
- Koku, J.E. & Gustafsson J-E (2003). Local Institutions and Natural Resource Management in the South Tongu District of Ghana: A case study. *Sustainable Development* 11, 17–35 (2003).

### **Conferences and Workshops Attended**

#### **Yankson, P. W. K.**

- AfricaGIS, 2003 Conference and Exhibitions on the Theme: Meeting the Information Needs for NEPAD, Dakar, Senegal, Nov. 4–8, 2003.
- NUFU Workshop on: Poverty, Health and Gender, Legon, January 6-8, 2004.
- Review Workshop on Human Settlement and Urban Development Policy in Ghana – organized by Ministry of Local Government and Rural Development at ILGS, Madina, Accra, September 18, 2003.

#### **Bening, R. B.**

- Keynote Address, 9th Anniversary and Review Conference of the Tour Guides Association of Ghana, Techiman, 24–27 November, 2004.

#### **Songsore, J.**

- Attendance of oral defence of Dzodzi Tsikata's thesis and the ceremony for the award of her doctorate degree on 17th December, 2003 at the University of Leiden. I also presented a guest lecture titled: "Poverty and the Urban Environmental Health Agenda in a Low Income City: The Case of the Greater Accra Metropolitan Area (GAMA), Ghana" at the University of Nijmegen as part of the visit.
- Ghana Geographical Association (GGA) National Congress on the Theme "Sustainable Development, Environment and Poverty Reduction" from 14th–16th January, 2004, University of Ghana, Accra. I presented a paper with Carolyn Stephens titled "The Accra Waste Project: From Urban Poverty and Health to Aid and Trade in Accra, Ghana."

- Health in African Cities Seminar sponsored by the Working Group on Health, Healing and Ritual Practice, Harvard University Committee on African Studies and the Center for Population and Development Studies, Harvard School of Public Health, USA, 31st March -1st April, 2004. I presented the following papers;
  - Proxy Indicators for Rapid Assessment of Environmental Health Status of Residential Areas: The Case of the Greater Accra Metropolitan Area (GAMA), Ghana.
  - State of Environmental Health Report of the Greater Accra Metropolitan Area (GAMA) 2001 (Public Lecture).
  - Urbanization and Health in Africa: Exploring the Interconnections between Poverty, Inequality and the Burden of Disease.( Public Lecture hosted by the Committee on African Studies, Harvard Africa Seminar, 6th April, 2004).
- International Workshop on Strategies for Disaster Avoidance in Urban Areas of Africa hosted by CARE International Urban INSAKA in conjunction with the International Institute for Environment and Development (IIED), Lusaka, Zambia, 5th–7th May, 2004. I presented a paper titled “ Environmental Health Watch and Disaster Monitoring in the Greater Accra Metropolitan Area (GAMA), Ghana- Research Proposal”.

#### **Nabila, J. S.**

- Workshop on Culture and Globalisation organized by the Pacific Institute, Seattle, Washington, U.S.A. September 15–18, 2003. Attended with Odeneho Ababio II, President of the National House of Chiefs.
- Workshop on Criteria for the Evaluation and Traditional Authority in Contemporary Ghana organized by the Ghana Academic of Arts and Sciences at the Accra International Conference Centre, Accra. September 7–9, 2004.
- Workshop on Codification of Customary Laws and Lines of Succession for Good Governance organized by the National House of Chiefs and National Governance Programme in Collaboration with UNDP in Kumasi, 27–29 October, 2004.

#### **Gyasi, E.A.**

- National Congress of the Ghana Geographical Association on **Sustainable Development, Environment and Poverty Reduction**, University of Ghana, Legon, Ghana, 15–17 January, 2004. (Presentation: *Agrodiversity: a threatened resource for food security and rural livelihoods*).
- **Regional Conference on Plant Genetic Resources for Food Security in West and Central Africa**, IITA, Ibadan, Nigeria, 26–30 April, 2004. (Presentation: *Conservation of landraces by local communities: methodological lessons from the PLEC experience in Ghana*).
- DIVERSITAS meeting on **Biodiversity Conservation during Agricultural Transitions towards Sustainability**, Alexandria, Egypt, 10–12 May, 2004. (Presentation: *Biodiversity conservation during transition of agriculture towards modern biotech-based agriculture – adverse effects and possible solutions: An overview of research ideas of Edwin Gyasi*).

- **UNU-INRA Intensive Multidisciplinary Course on Land Management in a Rural Livelihoods Context**, University of Ghana, Legon, Ghana, 14–19 June, 2004. (Presentation: *How land users adapt their land management practices to changing circumstances*).
- **SLaM Maiden Implementation Planning Meeting: The Project, ‘Sustainable Land Management for Mitigating Land Degradation, Enhancing Agricultural Biodiversity and Reducing Poverty (SLaM) in Ghana’**, Accra, Ghana, 21 June, 2004. (Presentation: *Meeting objectives and outputs, and overview of the SLaM Project Proposal: Goal, Objectives, Outputs*).
- **Stakeholders’ Forum on Selection of Good/Best Practices for Conservation of Yams and Rice in the Northern Savanna Region of Ghana: IPRI-GEF-UNEP Project, “Community-Based Management of On-farm Plant Genetic Resources in Arid and Semi-Arid Areas of Sub-Saharan Africa”**, Accra, Ghana, 22 June, 2004 (Presentation: *Background: Forum objectives and outputs, the project brief, objectives of the Ghanaian case studies, conceptual framework and methodology*).
- **International Conference on Ecoagriculture**, Nairobi, Kenya, 27 October – 01 October, 2004. (No presentation).

#### **Addo, S. T.**

- I was the Bishop’s delegate to the First Session of the Eighth Synod of the Anglican Diocese of Koforidua from the 12 to the 15th of August, 2004. I have been appointed to serve on the Economic Team of the Diocese.

#### **Kufogbe S. K.**

- International Exchange: Teaching and Research Collaboration between the Department of Geography and Resource Development, University of Ghana, Legon and the Department of Land and Water Resources Engineering, Royal Technical Institute (KTH) Stockholm, Sweden. 15 April–20 May, 2004.
- Short term Scholar “Developing ICT capabilities for Teaching and Research in Geography” at Department of Geography, University of Iowa, USA under the collaboration between University of Ghana and University of Iowa, USA 26 July 2004–20 August, 2004.
- Technical Workshops on Hydrogeological Data Management; USAID –World Vision Ghana 18, March, 15 April, 23–26 August, 2004.

#### **Asiedu, A.B.**

- Participated in a Review Workshop on Human Settlement and Urban Development Policy in Ghana, organized by the Ministry of Local Government and Rural Development at the ILGS, Madina, Accra on the 18th of September, 2003.
- Attended two workshops on Geographic Information for Management of Tree and Forest Resources in Kumasi from the 1st to 5th September, 2003 and 12th to 16th January, 2004.
- Participated and delivered a paper titled “Urbanization and Reproductive Change in Ghana – A Macro Analysis” at a Symposium on Fertility Change in Ghana – Recent Patterns and Future Prospects” held at the University of Ghana from the 23rd to 24th June, 2004.

### **Awumbila, Mariama**

- Awumbila, M and Tsikata, D. "Changing Rural Livelihoods, Land Tenure and Gender (2004) *Equity in Ghana: The Case Of Small Scale Mining in North Eastern Ghana*". **Paper presented at the IX World Congress of Rural Sociology**, July 25–31, 2004, Trondheim, Norway.
- Awumbila, M. (2004). "Gender and Fertility Change in Ghana" **Paper Presented at Workshop on Reproductive Change in Ghana**. University of Ghana, June 23–24, 2004.
- Awumbila, M. (2004). "Women's Participation in Politics: A Status Report". **Paper presented at Dinner Meeting for Political Parties**. Organised by Abantu for Development. Golden Tulip Hotel, April 28, 2004–06–28.
- Awumbila, M (2004) "Developing an African Gender and Development Index" **Report Presented at Ghana National Advisory Panel Workshop**, Errata Hotel, April 22, 2004.
- Awumbila, M. (2004) "*Gender and Poverty Reduction Strategies in Ghana*". Paper presented at the **NUFU / UG collaborative Workshop on Poverty, Health and Gender**. January 6–8, 2004, University of Ghana, Legon.
- Awumbila, M. (2003) "*Gender Issues in Collaborative Natural Resource Management*" Paper Presented at SNV workshop on Gender in Advisory Practice. Accra, August, 2003.

### **Agyei-Mensah S.**

- Agyei-Mensah, S. (2004). *Reproductive Change in Ghana: An Historical Perspective*. Paper presented at the Symposium on Reproductive Change in Ghana: Recent Patterns and Future Prospects. School of Research and Graduate Studies, University of Ghana, Legon, June 23, 2004.
- Agyei-Mensah, S. (2004). *Accra (Ghana) in Transition: Epidemiological Change at the Turn of the 21st Century*. Paper presented at the Seminar on Health in African Cities. Harvard Center for Population and Development Studies, Cambridge, Harvard University, U.S.A, 31st March, 2004.
- Agyei-Mensah, S, Allan G. Hill, John. K. Anarfi, Rosemary Duda (2004). *Measuring Urban Health Differentials: Conceptual and Analytical Challenges Illustrated from a Study of Accra, Ghana*. Paper presented at the 2004 Annual Meeting of the Population Association of America, Sheraton, Boston, U.S.A, 2nd April, 2004.
- Agyei-Mensah, S. (2004). *Poverty and HIV/AIDS in Ghana: A Research Agenda for Geographers*. Paper presented at the NUFU Workshop on *Poverty, Health and Gender*. School of Research and Graduate Studies, University of Ghana, Legon, 7th January, 2004.

### **Attua E. M.**

- *Geographic Information for Management of Forest and Tree Resources*. A Workshop organised jointly by ITC/RMSC under the auspices of the Tropenbos Ghana Programme in Kumasi from 12–16th January, 2004.
- *Geographic Information for Management of Forest and Tree Resources*. A Workshop organised jointly by ITC/RMSC under the auspices of the Tropenbos

Ghana Programme in Kumasi from 13–17th September, 2004.

- WASAC (West Africa Savannah under Change) Workshop in Burkina Faso from the 5–11th of July, 2004.

**Koku, J. E.**

- Participant: Workshop on 'Coastal Engineering: Towards a Rational Coastal Defence Policy in Ghana organised by the Ghana National Commission of the Intergovernmental Oceanographic Commission (GNC-IOC), CSIR/Water Research Institute, (Accra) 26th February, 2004.
- Participant: Training workshop on the National Hydrological data Management' Community Water and Sanitation Agency (Accra) 23-27 August, 2004.

APPENDIX A

**UNITED NATIONS UNIVERSITY PROJECT ON 'PEOPLE, LAND MANAGEMENT AND ENVIRONMENTAL CHANGE (NOW, PEOPLE, LAND MANAGEMENT AND ECOSYSTEM CONSERVATION) UNU/PLEC' RESEARCH IN WEST AFRICA**

By national and international networking, from the year 1993, the project, UNU/PLEC sought, to bring together the guided work of six regional clusters of scientists, including a West African one (WAPLEC) for action oriented policy-relevant research on small-farmer management of biodiversity in the tropics. The basic aim was *'to develop sustainable and participatory approaches to conservation, especially of biodiversity within small farmers' agricultural systems'* for the purpose of enhancing food security.

With the University of Ghana as its primary management centre, and directed by Professor Edwin Gyasi, WAPLEC developed into a functional network of scientists who, in collaboration with policy agents, carry out relevant resource management work with farmers in eight principal agrodiversity demonstration sites in the Republics of Ghana and Guinea.

The WAPLEC work experience shows the efficacy of an interdisciplinary methodology, and feasibility of generating positive research synergies through institutional collaboration by networking.

A major output is the successful integration of farmers into PLEC, especially through farmer associations, in recognition of farmer resource management knowledge. The success suggests that this kind of integration is a possible strategy of mainstreaming indigenous resource management knowledge.

The WAPLEC success story is documented in various reports, published papers, and a forthcoming book, *'Managing Agrodiversity the Traditional Way: Lessons from West Africa in sustainable use of biodiversity and related natural resources'*.

Funded primarily by the GEF (Global Environmental Facility), Phase I of PLEC work came to an end in the year 2002.

The Global Environmental Facility (GEF) has, in principle, approved for funding, a PLEC phase II in Ghana, with a focus on the project theme, '*Sustainable Land Management for Mitigating Land Degradation, Enhancing Agricultural Biodiversity and Reducing Poverty (SLaM) in Ghana*'.

**IPGRI PROJECT ON 'COMMUNITY-BASED MANAGEMENT OF ON-FARM PLANT GENETIC RESOURCES IN ARID AND SEMI-ARID AREAS OF SUB-SAHARAN AFRICA'**

Through a network of researchers in Ghana and seven other sub-Saharan African countries, the GEF-funded project aims at improving the effectiveness of traditional farming systems for conservation of biodiversity of local and global importance. The purpose is to develop models for enabling environments for effective contribution of traditional farming systems in biodiversity conservation and measures to maintain and promote wider adoption of viable system.

In Ghana, the project involves scientists from the University for Development Studies, Council for Scientific and Industrial Research, and the University of Ghana, which co-ordinates through the University Consultancy Centre and Professor Gyasi of the Department of Geography and Resource Development.

## APPENDIX B

### **ACTIVITIES OF THE TEACHING AND RESEARCH LABORATORY OF THE REMOTE SENSING APPLICATIONS UNIT (RSAL)**

#### **Overview**

The Remote Sensing Applications Laboratory (RSAL) was established in the Department of Geography and Resource Development, University of Ghana, to develop the capacity to provide remote sensing and geographic information systems services and to undertake and assist research into land and water resources, appraisal and monitoring including rural and urban land use patterns and trends. It also supports the teaching programmes of the environment and resource based Departments in the University.

#### **Teaching**

During the year under review, two courses in Remote Sensing and G.I.S. were taught in the department using facilities in the laboratory. The undergraduate course on introduction to Remote Sensing and Geographic Information Systems (GEO 307) was taught in the first semester for students in geography as well as students from other departments. The graduate level course GEOG 604 – Remote

Sensing and Geographic Information Systems was taught in the second semester. This course was taken by first year M.Phil students from the Department of Geography and Resource Development as well as some first year M.Phil students from some Departments in the Faculties of Science and Agriculture. The Department also handled Remote Sensing ESCL 605, using the facilities of the Lab.

### **Funding**

Remote Sensing applications Laboratory has continued to receive financial and technical maintenance support from DANIDA under the linkage arrangement between the University of Copenhagen (Institute of Geography) and the University of Ghana. Currently, the project is in its final phase and therefore it is on a much-reduced budget. The DANIDA ENRACA project continues to provide support for M.Phil and Ph.D students using the facilities in the laboratory for their thesis projects. DANIDA's funding is to be terminated in August, 2005.

### **Research**

The major research activities carried out in the laboratory were thesis research projects by graduate students sponsored by the ENRECA and those not on ENRECA. During the year under review, Dr. Osman Alhassan finally graduated in March 2004. Mr. Opoku Pabi submitted his Ph.D for examination. Mr. Albert Allotey participated in a course in Miami. He also participated in a reconnaissance survey of cocoa farming in Juabeso Bia district in preparation for his Ph.D research work in that subject. He also attended a 10 week workshop in Copenhagen, Denmark (August – October, 2004) towards the same end.

### **On-going Thesis Research Project**

#### **Kufogbe, S. K.**

Modelling Land Use and Environmental Change in the Afram Plains of Ghana (on-going Ph.D Thesis project in Geography).

### **Visits**

Jens Grundtmann visited the Lab in December, 2003 to carry out the preventive maintenance of the equipment and upgraded the equipment and software in the lab.

## APPENDIX C

### **THE FAMILY AND DEVELOPMENT PROGRAMME (FADEP)**

The Department of Geography and Resource Development hosts the Family and Development Programme (FADEP), which collaborates with relevant and appropriate organizations and institutions to undertake family and gender research and outreach programmes. It also provides expert advice to individuals,

institutions and development agencies on family and development.

Since the 2003-2004 academic year, FADEP has been editing a bibliographic study on Gender, Family and Development in Ghana which is supported by the United Nations System Gender Programme. It was also involved with the Project on Promotion of Women in Pluralistic Legal System under the umbrella of the Ministry of Justice.

In addition to the above activities, the FADEP Resource Centre holds relevant academic journals, bulletins and books on the family. It enjoys patronage from academia, researchers, students, non-governmental and agencies, the security services as well as governmental international organizations.

## APPENDIX D

### **GEO-INFORMATION APPLICATIONS FOR OFF-RESERVE TREE MANAGEMENT IN GOASO DISTRICT (GORTMAN PROJECT)**

The project aims to contribute to the effort of the Forestry Commission to improve use/management of the off-reserve resources in Goaso District. The main objective is the development and testing of methods and tools focusing on the collection and analysis of spatial data (of both a bio-physical as well as a socio-economic nature) on off-reserve tree resource condition and use/management, that will ultimately lead to development of scenarios for land use recommendations. To this end the project intends to make a detailed inventory of the current situation, assess productive potential of the land and explore various options for "change", including alternative farming systems and incentive mechanisms such as income generation through NTFPS. In addition, the role of timber companies and their possible contribution to and co-operation with more sustainable use/management of off-reserve tree resources will be assessed. The project will develop an approach that in future could possibly also be applied to other parts of Ghana.

Specifically, the project attempts to match land suitability, potential and current tree resource quality with stakeholders' socio-economic needs and aspirations and subsequently to identify various zones with recommendations for land management policies and strategies per zone. The strength of the project lies in its spatial approach of both socio-economic aspects and bio-physical aspects.

A major component of the project is knowledge/skill and technology transfer and related capacity building through both informal 'on-the-job' training as well as more formal training and education provided to relevant institutes/organizations at various levels (district, national).

The project is a collaborative research project among three institutions, the University of Ghana, the International Institute for Geo-Information Science and Earth Observation (ITC), Netherlands, University of Freiburg, Germany, and

the Resource Management and Support Centre of the Forest Commission of Ghana (RMSC). The project in Ghana is coordinated by Professor Elizabeth Ardayfio-Schandorf.

The project is executed by the International Institute for Geo-Information Science and Earth Observation (ITC) and funded by Tropenbos International (TBI) for a period of three years, from 2003 to 2005.

## APPENDIX E

### **NUFU PROJECT: THE NEW FACES OF POVERTY IN GHANA 2003-2007**

The Departments of Geography of the University of Ghana, University of Cape Coast and the Norwegian University of Science and Technology, have collaborated since 1996 to undertake collaborative research and staff exchange. The three institutions currently have a new research project under the theme THE NEW FACES OF POVERTY IN GHANA. The project has four sub-components: Feminization of Poverty; Poverty and Disease (HIV/AIDS and Buruli Ulcer); Poverty and Governance; and Poverty and the Use of Health Services. The project is financed by the Norwegian Council of Universities Committee for Development Research and Education (NUFU).

As part of the activities for 2004, a workshop was organized by the three institutions at the School of Research and Graduate Studies, University of Ghana, in January, 2004. Meant to bring the researchers together, the workshop also discussed methodological and epistemological issues, generated ideas and achieved consensus on aspects of research and collaboration. The proceedings of this workshop has since been published.

As a follow up to the workshop held at the University of Ghana, a one day seminar was held at the University of Cape Coast in April, 2004 to discuss in more detail the methodological issues that came up at the workshop at Legon. Staff and Doctoral students involved in the project outlined and discussed the various approaches they were going to use in the fieldwork.

Under Staff and Student Exchange, the following visits were made. Dr. Mariama Awumbila and Dr. Samuel Agyei-Mensah both from the University of Ghana, as well as Prof. L. A. Dei and Mr. Kumi Kyeremeh from the University of Cape Coast visited Trondheim. There were also visits by four doctoral students (two from the University of Ghana, and the other two from the University of Cape Coast). The students were, Mrs. Charlotte Wrigley-Asante (Legon), Mr. Alexander Segbefia (Legon), Mr. James Eshun (Cape Coast) and Mr. Kissah Korsah (Cape Coast).

In connection with the project's goal of establishing a south-south research network, three staff members (Prof Stig Jorgensen from Trondheim, Prof P.W.K Yankson from Legon, and Dr. Samuel Agyei-Mensah, from Legon) paid a visit to

the University of Ngaoundere, Cameroon in December, 2004. Meetings were held with the Dean of the faculty of Arts, Prof. Iya Moussa as well as the Head of Department of Geography, Prof. Michel Tschotsoua. A meeting was also arranged with the Deputy Vice Chancellor for Research and Co-operation, Prof. Joseph Kayem.

## APPENDIX F

### POPULATION IMPACT PROJECT

#### Overview

Population Impact Project (PIP), an outreach programme of the University of Ghana, is managed by the Department of Geography and Resource Development. The United States Agency for International Development (USAID) through The Futures Group International of Washington D. C., and the Government of Ghana provide funds for the operation of the project. The focus of the project is on Population, Resources, Environment and Development. However, in line with the Action Plan of the International Conference on Population and Development (ICPD) which was held in Cairo in 1994, special focus has been given to issues of Reproductive Health and Sexually Transmitted Diseases and HIV/AIDS. PIP continues to make available relevant information on Population and Development interrelationships to the public, particularly policy makers, opinion leaders, pressmen, religious leaders and in recent times, senior officers of the security services notably the Ghana Armed Forces and the Police Service in the form of RAPID presentations using audio-visual equipment and a computer.

Since February 2003, PIP has been awarded a sub-contract by AYA/UNFPA and, has therefore, started implementing AYA project activities. AYA has teamed up with the Government, NGOs, Community-based and Youth Serving groups in Ghana to undertake programmes and activities which aim at encouraging healthy sexual and reproductive behaviours amongst young people of 10–24 years in five selected regions and 20 districts. PIP is assisting in the area of Capacity Building for ASRH Advocacy. In line with PIP's sub-contract with AYA and its outreach objectives, PIP organized a number of ASRH advocacy and population-related Seminars and Workshops. The key ones among them were:

- The Population Impact Project (PIP) on behalf of African Youth Alliance (AYA) organized a two-week Adolescent Sexual Reproductive Health (ASRH) Training workshop for 30 National Youth Council (NYC) Regional and District Personnel and Federation of Youth Association, Ghana (FEDYAG) Members. The workshop was the first of the two workshops planned to be organized for the NYC. The workshop took place between 26th January – 6th February, 2004 at Kingsby Hotel, Achimota in Accra. The training was a multi-disciplinary one as such personnel from organisations such as FIDA, PPAG, PIP, NYC and AYA who were well versed with the topics under study were used as resource

persons for the workshop. As part of the training, participants looked at the way forward of the NYC. Participants identified that there is the need to strengthen the FEDYAG at all levels. They also promised to practice and make good use of the knowledge and skills they have learnt from the workshop especially on strategic plans, project proposal writing, work plans, monitoring and evaluation plans. The participants were also sent on a field trip to the Young and Wise Centre owned by the Planned Parenthood Association of Ghana (PPAG). The participants presented a communiqué to the Hon. Minister for Education, Youth and Sports who was the guest speaker during the closing ceremony. The Hon. Minister for Education, Youth and Sports accepted the communiqué presented to him. He acted on one of the requests made in the communiqué by setting up a committee to review the NRC Degree 241 of 1974 that sets up the NYC to respond to the current challenges of the youth and the new demands of the NYC.

- PIP organized a 5-day Adolescent Sexual Reproductive Health (ASRH) Advocacy Training Workshop for 30 Personnel of the MoE/GES. The workshop was held between 8th–13th February, 2004 at the Maple Leaf Hotel, New Achimota, Accra. The workshop was held to update the MoE/GES members on pressing issues about ASRH and the situation of HIV/AIDS and how to prevent the epidemic. It was also aimed at equipping the MoE/GES members with effective ways in understanding advocacy programmes at both national and community levels. The MoE/GES members are now using the skills and knowledge they acquired from the workshop to train Teachers and District or Regional Directors of Education of the 5 regions and 20 Districts of AYA selected areas.
- The Population Impact Project (PIP) on behalf of African Youth Alliance (AYA) organized a two-week Adolescent Sexual Reproductive Health (ASRH) Training workshop for 30 National Youth Council (NYC) Regional and District Personnel and Federation of Youth Association, Ghana (FEDYAG) Members. This was the second and the last workshop planned to be organized for the NYC. The workshop took place between 21st March– 2nd April, 2004 at Kingsby Hotel, Achimota in Accra. The training was a multi-disciplinary one as such personnel from organisations such as FIDA, PPAG, PIP, NYC and AYA who were well versed with the topics under study were used as resource persons for the workshop. As part of the training, participants looked at the way forward of the NYC. The participants identified the need to build the necessary networks and alliances with other organisations such as PPAG, AYA, PIP etc. They also identified the need to study the handouts distributed to them at the workshop and do further consultations to deepen and consolidate knowledge gained from the workshop. The participants were sent on a field trip to the Young and Wise Centre owned by the Planned Parenthood Association of Ghana (PPAG). The participants agreed to make a resolution to the Hon. Minister for Education, Youth and Sports to have similar youth centres throughout the country. They were highly impressed to find that people working at the PPAG Youth Centre are volunteers. It was decided that for the time being, the NYC Youth Centre in the Northern Region, which is currently in a very bad condition, be rehabilitated.

- The Population Impact Project (PIP) gave a presentation on ASRH and Policy issues to 15 members of the Accra Metropolitan Population Advisory Committee of the Greater Accra Region. The presentation was given during a two-day seminar on Adolescent Sexual Reproductive Health organized by the National Population Council Secretariat (GAR). The seminar took place on 23rd and 24th June, 2004 at the Accra Metropolitan Assembly Hall, Accra. PIP gave presentation on the 24th June, 2004. Participants were fascinated to learn more about ASRH issues in Ghana. Handouts prepared by PIP from power point software were distributed to participants for further reading.
- PIP organised a day's Seminar for 40 Media Practitioners and Affiliates of the (GJA) working in the area of reproductive health on ASRH advocacy. The seminar was aimed at equipping and exchanging ideas with the target group on ASRH situation, policies and related issues in Ghana. The seminar was held at Coconut Grove Regency Hotel, Accra on 11th August, 2004. Ms. Adjoa Yeboah-Afari, the president of GJA, was the chairperson for the occasion. In her acceptance speech, the chairperson for the occasion outlined the importance of the seminar and said that the seminar would also equip the participants with current issues about ASRH so that they can report or write articles on the topic using factual and accurate information. The participants promised that they will pay regular visits to PIP's library to update themselves on Population and Reproductive Health issues.
- PIP organized a 5-day workshop on Resource Mobilization for the Implementing Partners (IPs) of African Youth Alliance (AYA) Project. The workshop took place at Erata Hotel, Okponglo, Accra from 20th – 24th September, 2004. The workshop was aimed at equipping the IPs with knowledge and skills to mobilize various forms of resources for ASRH programming from community, district, regional, national and international levels. It was also used as an occasion to train trainers who could do a step down training in their respective organizations. PIP was supported by a UNFPA Country Support Team (CST) staff from Zimbabwe.
- PIP held a 3-day Resource Mobilization Workshop for Media Practitioners (MCAN). The workshop took place at Erata Hotel, Okponglo, Accra from 20th –22nd October, 2004. The workshop was aimed at equipping the media practitioners with knowledge and skills to mobilize various forms of resources for ASRH programming from community, district, regional, national and international levels. In one of the sections, participants had the opportunity to practice advocacy skills in winning support from donor agencies as well as the Government. Mrs. Rosemary Ardayfio, the leader of the MCAN group, underscored the importance of the workshop and how it has benefited the participants. She urged the participants to do well to make good use of the handouts given to them.
- PIP organised a 5-day Resource Mobilization workshop for the District Officers of the National Youth Council (NYC). The workshop took place at Erata Hotel, Okponglo, Accra from 25th–29th October, 2004. The aim of the workshop was to equip the NYC District Officers with knowledge and skills needed to mobilize various forms of resources for ASRH programmes from community, district, regional, national and international levels. Participants had the

opportunity to practice advocacy skills in winning support from donor agencies as well as the Government. Mr. Paa Kewsi Evans-Nkum, the leader of the group, in his closing address, thanked the PIP team and all the resource persons for their excellent presentations of the various topics which were taught. He also advised the participants to read the handouts given to them.

- The Population Impact Project gave a presentation on Adolescent Sexual and Reproductive Health and HIV/AIDS in Ghana, to 40 Paralegals on the 1st February 2004. The presentation was given during a five-day Legal Training for 'Paralegals' organized by the International Federation of Women Lawyers (FIDA), Ghana, from 31st January – 5th February, 2004. It was held at Radio Ada (Big Ada) in the Dangme East District. PIP has consistently provided resource persons to make a presentation on ASRH including HIV/AIDS during similar district specific workshops organized by FIDA-Ghana. Some of them were: Accra Metropolitan Assembly (AMA) from 28th March – 2nd April, 2004 at Accountant General's Department, Dansoman. PIP made a presentation on 29th March 2004; Dangme West from 2nd–7th May, 2004 at Guggisberg Hall, Dodowa. PIP made a presentation on 3rd May, 2004; Tema Metropolitan Assembly (TMA) from 11th–16th July, 2004 at Tema Metropolitan Assembly. PIP made a presentation on 12th July, 2004. In all these presentations PIP distributed booklets entitled 'Adolescent Fertility and Reproductive Health in Ghana (Revised Edition 2000)' published by PIP to participants free of charge.

## **REPORT ON THE ECOLOGICAL LABORATORY**

### **Overview**

The Ecological Laboratory (ECOLAB) an ENRECA (DANIDA) Project was set up in 1993. It is presently headed by Prof. S.K.A. Danso, as Director with Mr. T.W. Awadzi as Deputy Director. The aim of ECOLAB is to fulfil an urgent need for a well equipped science laboratory primarily for graduate students of the University of Ghana to carry out research towards their theses projects. ECOLAB was also to serve as an inter-disciplinary facility for the Faculties of Science, Agriculture and Social Studies. Both objectives have been satisfactorily achieved, and ECOLAB continues to add to its equipment and capacity. The Laboratory is being used by researchers from institutions such as the Ghana Atomic Energy Commission at Kwabenya, Food Research Institute in Accra, Agricultural Research Stations of the University of Ghana at Kpong and Kade, besides serving the research needs of several lecturers and staff of many Departments of the University of Ghana, who for lack of particular equipment in their outfit, have had to fall on ECOLAB facilities for their research.

During the reporting period, seventy-four (74) M.Phil. and Ph.D. students used the laboratory for their thesis research projects.

The West African Journal of Applied Ecology, initiated by ECOLAB in 2000 has been well patronized; Volume No.5 was published at the end of the reporting period.

The establishment of ECOLAB has enhanced collaboration with international scientist, particularly with staff of the University of Copenhagen. In the 2003-year the following counterpart ECOLAB scientists in Demark visited Ghana: Professor H. Breuning-Madsen, Principal coordinator of ECOLAB project in the University of Copenhagen (on three occasions in March, April/May and November, 2003). The other visitors were: Professor Klaus Randsborg (April/May, 2003), Associate Prof. Bo Elberling and Technician Ms. Stina Rasmussen (November, 2003), all from the University of Copenhagen.

Major research projects undertaken by ECOLAB staff and collaborators continued and centred on (i) nutrient cycling and pollution in several ecosystems, (ii) biofertilizers and carbon sequestration, (iii) the role of termites in soil formation in the moist semi-deciduous forest zone of Ghana, (iv) distribution, quantity and the nutrient content of harmattan dust in Ghana.

### **Attendance at Conferences**

ECOLAB sponsored Mr. T. W. Awadzi to attend a Symposium on "Local Land Use Strategies in a Globalizing World: shaping sustainable Social and Natural Environments Conference" in Copenhagen, Denmark (August 21–23). A paper entitled Farmer's Response to Environmental and Socio-Economic Changes along the South-Eastern Coast of Ghana was presented.

### **Publications**

The fifth volume of the West African journal of applied Ecology has been published. Volume six, a special issue based on presentations made at the 10<sup>th</sup> African Association for Biological Nitrogen Fixation conference co-sponsored by ECOLAB, and held in Accra in October/November, 2002, has been compiled and is in press. Patronage of the journal has been more than encouraging, and the journal is assuming a real international look. There is a good indication that the West African Journal of Applied Ecology is going to be a welcome outlet to many scientists in the sub-region to publish interesting scientific findings.

## DEPARTMENT OF HISTORY

### Staff

The Department of History is supposed to have a Staff of 16. However, there are only eleven (11) permanent Staff. Messrs Kwaku Nti and Sylvester Gundona are on Study Leave.

The Staffing position is as follows:

#### Senior Members

Professor J.K. Fynn

Professor R. Addo-Fening

Dr. (Mrs.) A. Perbi

Dr. N.J.K. Brukum

Dr. D.E.K.Baku

Mr. Ekow S.A. Korsah

Mr. Kwaku Nti

Mr. Sylvester Gundona

Mr. Ofori-Mensah Ababio

Mr. Kwame Adum-Kyeremeh

Mr. Cletus K. Mbonwurah

Senior Lecturer

Senior Lecturer

Lecturer

Lecturer

Lecturer (Study Leave)

Lecturer (Study Leave)

Lecturer

Lecturer

Lecturer

#### Senior Staff

Mr. Samuel K. Agbeve

Senior Adm. Asst.

#### Junior Staff

Mrs. Mary Buabeng

Senior Clerk

Mr. Lawrence Acheampong

Senior Headman

Mr. Eric Atuahene

Messenger/Cleaner

#### Student Numbers

Level 100 985

Level 200 499

Level 300 136

Level 400 57

M.Phil 3

PH.D. 3

**Total 1683**

The Department also offered a compulsory course, HIST. 205: **A History of Western Medicine in Ghana** for over 600 Level 200 Biological Science Students during the First Semester.

## Courses

### First Semester

Level 100

HIST. 100 Earliest Civilizations

### Level 200

HIST. 201 Historiography

HIST. 203 Africa and the Wider World Since 1800

HIST. 205 History of Western Medicine in Ghana

### Level 300

HIST. 301 History of Ghana up to 1800

HIST. 303 History of Africa up to 1500

HIST. 305 The Black Diaspora

HIST. 307 Economic History of West Africa, 1700-1890

### Level 400

HIST. 401 Aspects of Intellectual History

HIST. 407 Colonial Rule and African Response: Partition and Pacification

HIST. 413 History of Modern Russia and U.S.A., 1700-1860

HIST. 417 Aspects of World History, 1914-1945

HIST. 491 Fante States in the 17th Century

### Second Semester

#### Level 100

HIST. 102 Selected Topics in World History

Level 200

HIST. 202 Historical Methodology

HIST. 204 Africa in the International Setting in the 20th Century

#### Level 300

HIST. 302 Ghana in the 19th and 20th Centuries

HIST. 308 History of Africa, 1500-1800

HIST. 309 History of Europe, 1789-1914

HIST. 312 Economic History of West Africa, 1890-1960

HIST. 313 History of Women

HIST. 314 History of Western Medicine in Ghana

Level 400

HIST. 402 Modern Trends in Intellectual History

HIST. 408 Colonial Rule and African Response: Nationalism and Independence

HIST. 414 History of Modern Russia and the U.S.A., 1861-1939

HIST. 418 Aspects of World History Since 1945

HIST. 492 Fante States in the 18th Century

The Department of History and the Institute of African Studies, Legon in co-operation

tion with the University of Trondheim, Norway continued with the Research on Traditional Authority and Modernity Project in Ghana.

## **Research**

### **Fynn, J.K.**

- The Fante States and Asafo Companies

### **Addo-Fening, R.**

- Social and Economic Development in Akyem Abuakwa

### **Perbi, Akosua**

- Indigenous slavery in Ghana: Women in Ghana Slave Camps in Ghana

### **Brukum, N.J.K.**

- Ethnic conflicts in Northern Ghana: Social and Economic Change in Northern Ghana

### **Baku, D.E.K.**

- Legal and Constitutional History of Ghana: Human Rights and Administration of Justice in Ghana

### **Korsah, E.S.A.**

- The Press and Society in Ghana

### **Ofosu-Mensah, A.**

- Economic Development of the Adansi District

### **Kyeremeh, K.A.**

- Tradition and Change in Bono: a study of the Akan and non-Akan areas. A history of the development of Sports in Ghana

### **Mbonwura, C.K.**

- Female authority among the Nawuri

## **Conferences and Publications and Papers Read**

### **Addo-Fening Perbi, Akosua**

- "Ghana and the Slave Trade", Lecture delivered on January, 2004 to Faculty and Students from Iowa College, U.S.A. at the Department of Geography and Resource Development, University of Ghana, Legon.
- "The Slave Trade: an African Perspective", Lecture delivered to Faculty and Students of the University of St. Thomas, Minnesota, U.S.A. January, 2004 at the Institute of African Studies, University of Ghana, Legon
- "A History of Ghana and the Slave Trade" Lecture delivered to USA on the S.I.T. programme on 1st March, 2004 in the Linguistic Department.
- "Slavery in Africa and Ghana" LECTURE delivered to USAC students from USA on 11th March, 2004 at the Chemistry Department.

- “Power and the Responsibilities of freed slaves and their descendants in Colonial and Post-Colonial Ghana” Paper presented in Copenhagen, Denmark at a Conference held from 29th April to 1st May, 2004.
- “The Slave trade: an African Perspective” Lecture delivered to Faculty and students from Roanake College, U.S.A. on 13th May, 2004 at the Institute of African Studies, Legon.
- “The Slave Trade and its effects on Ghana” Lecture delivered to Alumni from Howard University, U.S.A. on 31st May, 2004 at the Department of History, Legon.
- “The Slave Trade and Slavery” Lecture delivered to Faculty and students from Memphis Univ.; U. S.A. on June 14th, 2004 at Institute of African Studies, Legon.
- “Slavery and the Slave Trade from an African Perspective” Lecture delivered to Students from James Madison Univ. U.S.A.; June 22nd at Holiday Inn, Dzorwolu, Accra.
- “The Slave Trade Route” Lecture delivered to Faculty and students on Fulbright Hays Scholarship, U.S.A.; on June 25th, 2004 at the Bayview Hotel, Accra.
- “Slavery and Community Space in Jenini: a Historical and Archaeological Perspective” Paper presented with Y. Bredwa-Mensah, Dept. of Archaeology at the Historical Society Conference held at the Institute of African Studies, Legon, 14th to 18th July, 2004.
- “The Impact of the Slave Trade in Ghana” Lecture delivered to students of USAC from the U.S.A., on 19th July, 2004 at Chemistry Department, Univ. of Ghana.
- “Ghana and the Slave Trade” Lecture delivered to students from UCLA, U.S.A. on 19th July, 2004 at the Linguistic Department, Legon.
- “Slave Camps in Pre-Colonial Ghana”, Paper presented on 31st August, at the International Conference on the Trans-Atlantic Slave trade held in Accra.
- “The relevance of tradition in contemporary Ghana”, Paper presented at the Ghana Academy of Arts and Sciences, on 7th September, 2004 at the Accra International Conference Centre.
- Presented a report on behalf of the Ghana Arts and Sciences at an International Conference of the Fontes Historae held at Dakar, Senegal between 25th September, and 2nd October, 2004.
- “The African Slave Trade” Lecture delivered to Select Faculty from all Universities in Norway, on 6th October, 2004 at the Nougouchi Memorial Institute, Legon.
- “Ghana and the Slave Trade” Lecture delivered to students from USAC, U.S.A.; on 7th October at the Chemistry Department, Legon
- “Slavery in Africa” Workshop I held from 8th to 10th November, 2004 at Xavier University, Cincinnati, U.S.A.
- From 11th to 14th November, 2004, participated in the Annual African Studies.
- Association Conference in New Orleans, U.S.A. I launched my book titled: **A History of indigenous Slavery in Ghana, from 15th to 19th Century.** Published by Sub-Saharan Publishers, Accra, Ghana, ISBN 9988-550-32-4 (Soft Cover); ISBN 9988-550-95-2 (Hard Cover).

**Brukum, N. J. K.**

- “Chieftaincy and politics in Northern Ghana, 1951–1979” Paper presented in Copenhagen, Denmark at International Conference held between 29th April to 1st May 20.
- “Asante and its Neighbours” Lecture delivered to a group of Scholars and students from State University of New York College at Brockport on 24 May, 2004 at Jones Quartey Building.
- “The Colonial History of West Africa” Lecture delivered to undergraduates of James Madison University, USA on June 21st, 2004 at the Language Centre
- “The history of West Africa: the Savanna Civilizations” Lecture delivered to Faculty and students of Allen University Benedict College, July 6th, 2004 at Language Centre, University of Ghana, Legon.
- 12th to 16th July, 2004, External Examiner, Dept. of History, UCC, Cape Coast.
- “West Africa between the Islamic and Atlantic Worlds, c. 1400–1900” Lecture delivered to select Professors from all Universities in Norway on 19th October, 2004 at the Nougouchi Memorial Institute for Medical Research, Legon.
- “The Voices of the Northern Elite” in *THSG*, NS, No.7, 2003, pp.271–281.
- “Chieftaincy and ethnic conflicts in Northern Ghana, 1980–2002” in *Ethnicity, Conflicts and Consensus in Ghana* (ed) S. Tonah (forthcoming).
- “Jan Niser and the Dutch Administration in Ghana” in *Journal of Humanities* (forthcoming).
- “Traditional Constitutions and succession disputes in Northern Ghana” in *Legon Journal of Sociology* (forthcoming)

**Baku, D. E. K.**

- “Those who enstool a chief are the only people who can depose him: the trouble of ascendancies to Wenchi stool in Ghana” Paper presented at the Five Colleges Project on producing historical knowledge, Northampton, MA, U.S.A., October, 2003.
- “Lessons from the era of Jerry John Rawlings in the politics of Ghana, 1979 to 2003: preliminary insights from the work of the National Reconciliation Commission” Paper presented at Centre for African Studies, University of Copenhagen, April, 2004.
- Aspects of the modern history of Ghana: from Nkrumah to Kufour” Paper to the Department of History, University of Copenhagen, April 2004.
- “The land document is not a document: a historical survey of land litigation in Accra” Paper presented at the Annual Conference of the Historical Society of Ghana, Legon, July, 2004.

**Ofosu-Ababio, M.**

- “Gold mining and urbanization in Ghana: the case of Obuasi” Paper presented at the Annual Conference of the Historical Society of Ghana, Legon, July, 2004.
- “Traditional gold mining in Adansi” Paper presented at the Annual Conference of the Historical Society in Ghana, Legon, July, 2004.

- “Migration from and to Ghana” in *International Journal of Migration, 2004* pp.1–31.  
Adum-Kyeremeh, K.
- “The Sampa state: continuity and change in a traditional state.” Paper presented at the Annual Conference of the Historical Association of Ghana, Legon, July, 2004

### **Mbonwura, Cletus**

- “The Konkomba Yam Market: a migrant community in an urban setting” Paper read at the Annual Conference of the Historical Society of Ghana, Legon, July, 2004.

## **DEPARTMENT OF INFORMATION STUDIES**

### **Overview**

The Department continued its primary functions of teaching and research in information Studies. Students numbers increased; level 100 alone increased at 92.8% over the previous years numbers. At the same time, the academic staff lost a colleague to industry. Recruiting and retaining staff has proved very difficult.

Our key challenges remain the level and consistency of financial and programme support. The Department is making every effort to reposition itself in order to respond to the rapid changes in information technology and the information economy. There is a critical need for expansion in infrastructural requirements: computer laboratories, library facilities and lecturers.

The Information Studies Students’ Association (ISSA) continued to grow from strength to strength. It has become a useful component of the Department and has helped to market it to the general public.

### **Courses Offered**

- Diploma in Librarianship
- Diploma in Archives Administration
- BA In Information Studies
- MA in Library Studies
- MA in Archival Studies
- Master of Philosophy
- Doctor of Philosophy

These programmes offer a wide range of courses which include Information Technology, Information Management, Research Methods, Database Management, Records Management, Preservation of Information Resources and Automation of Information Systems.

### **Student Numbers**

Diploma in Librarianship	-	136
Diploma in Archives Administration	-	123

### **BA**

Level 100	-	699
Level 200	-	1,050
Level 300	-	532
Level 400	-	249

MA in Library Studies	-	15
MA in Archival Studies	-	11
M.Phil	-	7
Ph.D	-	1

### **Staffing Position**

The teaching staff strength stood at ten full time and nine part-time lecturers. A member of the teaching staff who was on leave of absence has resigned. There were five senior and junior staff and one teaching assistant at post.

Teaching Staff were:

- Prof. E.E. Badu
- Prof. H. Akussah
- Prof. C. Kisiedu (On contract)
- Dr. P. Akotia, Head of Department
- Mr. S.N.B. Tackie
- Dr. E. Adjei
- Mr. G.D. Asiagodo (On contract)
- Mr. M. Adams
- Mrs. Evelyn Markwei

### **Research**

Individual staff research activities were wide ranging covering areas such as health information systems, financial information, governance, disaster preparedness and vital records protection, preservation management, strategic planning in library development and electronic records management.

### **Publications**

#### **Badu, E. E.**

- "Academic library development in Ghana: Top Manager's Perspectives," *Afri-*

*can Journal of Library, Archives and Information Science*, vol.14 (2) 2004, 93–107.

**Akotia, P.**

- With Adjei, E. “Governance and the Management of public sector financial records”, *GIMPA Journal of Leadership, Management and Administration*, vol.2 (2) 2003, 65-79.

**Adjei, E.**

- “Health sector reforms and health information in Ghana.” *Information Development*, vol. 19, (4), December 2003, 256–265.
- “Retention of medical records Ghanaian teaching hospitals: Some International Perspectives. *African Journal of Library, Archives and Information Science*, vol.14 (1) April 2004, 37–52.
- With P. Akotia, “Governance and the management of public sector financial records”. *GIMPA Journal of Leadership, Management and Administration*, vol.2 (1) June 2003, 65–79.

**Workshops/Seminars**

**Akotia, P.**

- Resource Person, Democratic Policing II – UNDP/Ghana Police Service/ National Governance Programme – Restructuring and Capacity Building to consolidate democratic governance in the Ghana Police Service. January-December, 2003.
- Resource Person, Scoping study and workshop on Lagos State Government Records Management Systems, World Bank/IRMT, Lagos, September, 2004.

**Tackie, S. N. B.**

- Resource Person, Ghana Book Trust/GES Workshop on School Library Management. Ahafo Ano, August, 2003.

**Markwei, Evelyn**

- Participant, 2-day Faculty Training Programme for new Lecturers, 30-31 September, 2003.

**Visitors**

The Department received a number of prominent visitors: Mr. Andrew Awuni (Deputy Minister of Information), Hon. Alban Bagbin (Minority Leader of Parliament), Mr. Daniel Batidam (Ghana Integrity Initiative) and Prof. Ansu Kyeremeh (Director of the School of Communication Studies. Other distinguished visitors were Mr. Mark Davies (CEO, Busy Internet), Mr. Yoku Korsah (Chairman, GINKS) and Hon. David Gyewu (Deputy Ministry of Communications).

# DEPARTMENT OF POLITICAL SCIENCE

## Overview

Construction work on the new Social Science Building Phase I meant for the offices and library for the Department was vigorously continued during the year. The new block has been completed and handed over for use by the year 2004. It is anticipated that the problems of insufficient office space for academic and administrative staff would have been halfway solved when the new edifice is finally handed over. Meanwhile, the number of under graduate students admitted in the Department in the 2003–2004 academic year was 4333. This was an increase over the previous year's intake of 3742. The number for graduate students (including Ph.D.) was 21. This, therefore, continues to make Department the largest in the University, in terms of student intake.

The Department continues to make enormous contributions to society by way of promotion of research, teaching and publication as well as extension services.

## Courses

The Department offered 41 undergraduate and 20 graduate courses. The breakdown is as follows:

### Undergraduate Courses

#### *Semester 1*

- POLI101 – Introduction to the Study of Political Science (I)
- POLI201 – Elements of Political Science
- POLI203 – Political Institutions
- POLI301 – Ancient and Medieval Political Thought
- POLI303 – Introduction to the Theory and Practice of Political Research
- POLI305 – Government and Politics in Ghana since Independence (I)
- POLI307 – Introduction to Public Administration
- POLI313 – Nature, Growth and Role of International Organizations
- POLI315 – Organisation Theory
- POLI323 – Conflicts in African States
- POLI325 – Introduction to American Politics
- POLI400 – Independent Study
- POLI401 – The Contractualists
- POLI403 – Statistics for Political Research
- POLI405 – Politics of International Economic Relations
- POLI407 – Government and Politics in Ghana since Independence

(II)

- POLI409 – Comparative Public Administration
- POLI411 – Politics and Development
- POLI415 – International Conflict & Conflict Resolution
- POLI417 – Theories of Underdevelopment
- POLI419 – Politics in Developing Countries
- POLI421 – Foreign Policy Analysis
- POLI429 – Public Policy Analysis
- POLI431 – Refugees & International Relations

## **Semester 2**

- POLI102 – Introduction to the Study of Political Science (II)
- POLI202 – Introduction to International Politics
- POLI204 – Introduction to the Study of Ghanaian Politics
- POLI302 – Modern Western Political Thought
- POLI304 – Public Administration in Ghana
- POLI306 – Africa and the Global System
- POLI308 – Methods of Political Research
- POLI312 – Development Administration in Ghana
- POLI318 – The Military in Ghanaian Politics
- POLI400 – Independent Study
- POLI402 – Social and Political Theory
- POLI404 – State and Society in Africa
- POLI406 – Regionalism and Ethnicity in Ghanaian Politics
- POLI408 – Ghana's Foreign Policy
- POLI412 – Local Government Administration in Ghana
- POLI416 – Politics of the African-American Experience
- POLI426 – Issues in Comparative Politics
- POLI418 – US Policy Towards Africa
- POLI432 – Human Rights in Africa
- POLI434 – Public Enterprise

## **Graduate Courses**

### **Semester 1**

- POLI617 – General Methodology/Philosophy of the Social Sciences
- POLI603 – Patterns of Development Administration
- POLI613 – Public Personnel Administration
- POLI623 – The Making of Foreign Policy
- POLI625 – Issues in International Politics
- POLI631 – Conflict Resolution and Peace Studies
- POLI633 – Conflicts in African States
- POLI635 – Issues in Comparative Politics and Development
- POLI637 – Theories of Political Development and Underdevelopment
- POLI641 – Problems of Govt. & Politics in Africa

## Semester 2

POLI602	-	Survey Methods in Social Sciences
POLI604	-	Public Policy Analysis
POLI624	-	Issues of Public Administration
POLI626	-	Theory and International Politics
POLI634	-	Foreign Policy of Ghana
POLI638	-	The Politics of International Economy
POLI642	-	Strategies of Development in Africa
POLI648	-	The Military in Politics
POLI654	-	Democracy and Governance in Africa
POLI656	-	Human Rights in Africa

## Student Numbers

Student numbers increased from 2597 in the previous year to 3742. The breakdown is indicated below. This is undoubtedly the biggest student intake in any single Department in the University.

### Undergraduate

Level 100	1210
Level 200	1620
Level 300	1006
Level 400	423
International Students	74
<b>Total</b>	<b>4333</b>

### Graduate

M.Phil. 1	8
M.Phil. 2	5
Ph.D.	8
<b>Total</b>	<b>21</b>

## Staff

The teaching staff strength stood at sixteen in both the first semester and the second semester. Two lecturers, Mr. Emmanuel Debrah and Ms Beatrix Allah-Mensah who were on study leave in the USA for two semesters and one semester respectively both resumed duty in the Department. They used the period to work on aspects of their Ph.D thesis.

Mr. Kwesi Jonah proceeded on two years sabbatical leave, whilst Mr. Kumi Ansah-Koi was granted three months study leave from January to March, 2004 to undertake a post-graduate Diploma Programme in Human Rights at the Institute of Social Studies (ISS), The Hague, The Netherlands.

Three persons joined the Department as faculty during the session. Mr. Evans Aggrey-Darkoh was offered appointment as Lecturer. Dr. Tyson King-Meadows, Assistant Professor, Department of Political Science, Middle Tennessee State University, Murfreesboro, Tennessee, joined the Department under the 2003-

2004 Fulbright US Lecture Program to teach in the academic year. He handled two courses, **POLI 325: Introduction to American Politics** in the first semester, and **POLI 416: Politics of American Experience** in the second semester. Professor Yakubu Saaka was offered appointment as a Visiting Scholar in the Department for the 2003/2004 academic year.

Mr. Daniel Amponsah Larbi, Library Assistant, was transferred temporary from the Balme Library to the Department to organize the Departmental Library, whilst Mr. Samuel Agyekum, Senior Administrative Assistant, was transferred from the Balme Library to augment the administrative staff in the Department.

The staffing position for the 2003/2004 academic year was as follow:

### Teaching and Research

- |                                 |   |  |
|---------------------------------|---|--|
| 1. Prof. Joseph R.A. Ayee       | - | Professor                              |
| 2. Prof. Kwame A. Ninsin        | - | Professor (On contract)                |
| 3. Prof. Kwame Bofo-Arthur      | - | Associate Professor & Head of Dept.    |
| 4. Prof. Mike Oquaye            | - | Associate Professor (Leave of absence) |
| 5. Prof. E. Gyimah-Boadi        | - | Associate Professor                    |
| 6. Mr. F.K. Drah                | - | Senior Lecturer (On contract)          |
| 7. Dr. A. Essuman-Johnson       | - | Senior Lecturer                        |
| 8. Dr. Amos Anyimadu            | - | Lecturer                               |
| 9. Mr. Stevens K. Ahiawodor     | - | Lecturer                               |
| 10. Ms. Beatrix Allah-Mensah    | - | Lecturer                               |
| 11. Mr. Emmanuel Debrah         | - | Lecturer                               |
| 12. Mr. Alexander K.D. Frempong | - | Lecturer                               |
| 13. Dr. Nicholas Amponsah       | - | Lecturer                               |
| 14. Mr. Evans Aggrey-Darkoh     | - | Lecturer                               |
| 15. Dr. Tyson King-Meadows      | - | Fulbright Scholar                      |
| 16. Prof. Yakubu Saaka          | - | Visiting Scholar                       |
| 17. Mr. Felix K.G. Anebo        | - | Lecturer (On study leave)              |

### Administrative/Clerical Staff

- |                              |   |                                 |
|------------------------------|---|---------------------------------|
| 1. Mr. Godfried K. Mantey    | - | Chief Administrative Assistant  |
| 2. Mr. Samuel Agyekum        | - | Senior Administrative Assistant |
| 3. Mr. Daniel Amponsah Larbi | - | Library Assistant               |
| 4. Mr. Daniel Nii Noi        | - | Clerk Grade II                  |
| 5. Ms. Catherine Alhassan    | - | Typist Grade II                 |
| 6. Mr. Redeemer Agbeti       | - | Messenger/Cleaner               |
| 7. Mr. Isaac Koda Plange     | - | Messenger/Cleaner               |

### Research

Individual research activities were in areas such as governance, human rights, elections, the military in politics, civil society, decentralization, conflict, foreign policy, corruption, gender, the environment, leadership styles in Ghana and other African countries, the role of NGOs in fostering good governance and development

at the local level in Africa, institutional reforms and policy outcomes, state capacity, co-production of services between state and non-state actors, taxation in the informal sector, reforming the African public services, popular participation in local governance, and challenges to chieftaincy in the 21st Century, and Globalization and Africa.

## **Benefactors**

The department continued to benefit from book donations, especially from Ghana Centre for Democratic Development (CDD) and Friedrich Ebert Stiftung.

## **Publications**

### **Ayee, J. R. A.**

- “Decentralization and Local Governance: The Ghanaian Experience”, in Nicholas Amponsah & K. Bofo-Arthur (eds.) *Local Government in Ghana: Grassroots Participation in the 2002 Local Government Elections* **ISBN 9988-0-1848-7** (Department of Political Science, Legon/Ibis, West Africa, 2003), Chapter 2, pp. 19–48.
- with Nicholas Amponsah) “The District Assemblies and Local Governance: Reflections on the 2002 Local Elections”, in Nicholas Amponsah & K. Bofo-Arthur (eds.) *Local Government in Ghana: Grassroots Participation in the 2002 Local Government Elections* **ISBN 9988-0-1848-7** (Department of Political Science, Legon/Ibis, West Africa, 2003), Chapter 3, pp. 49–98.
- “Ghana: A Top-Down Initiative”, in Dele Olowu and James Wunsch, *Local Governance in Africa: The Challenges of Democratic Decentralization* **ISBN 1-58826-173-5** (Lynne Rienner: Boulder, CO/London, 2004), Chapter 6, pp. 125–154.
- “Ghana” in Bogdan Szajkowski (ed.) *Revolutionary and Dissident Movements of the World*, 4th edn. **ISBN 0-9543811-2-2** (John Harper: London: 2004), pp. 140–141.
- “An Overview of Local Government Experience in Ghana”, in Samuel E. Quainoo (ed.) *Africa Through Ghanaian Lenses* **ISBN 1-58684-023-1** (Vestal International Press: Binghamton, N.Y, 2004), Chapter 2, pp. 19–53.
- “Privatization of State Owned Enterprises in Ghana”, in Samuel E. Quainoo (ed.) *Africa Through Ghanaian Lenses* **ISBN 1-58684-023-1** (Vestal International Press: Binghamton, N.Y, 2004), Chapter 14, pp. 245–261.
- (with Richard Crook) “Toilet Wars’: Urban Sanitation Services and the Politics of Public-Private Partnerships in Ghana”, *Institute of Development Studies Working Paper*, University of Sussex, UK, **ISBN: 1-85864-806-8**, December, 2003, pp. 1–34.

### **Bofo-Arthur, K.**

- *Local Government in Ghana: Grassroots Participation in the 2002 Local Elections*. Edited with Nicholas Amponsah. Uniflow Publishing. Accra, **ISBN 9988-0-1848-7**, Accra, 2003.

- “Prospects for Ghana’s Drive Towards Democratic Maturity”, in N. Amponsah and Boafo-Arthur (ed.), *Local Government in Ghana: Grassroots Participation in the 2002 Local Elections*. Uniflow Publishing. Accra, **ISBN 9988-0-1848-7**, Accra, 2003.
- “Chieftaincy in Ghana: Challenges and Prospects in the 21st Century”, *African and Asian Studies*, Volume 2, No. 2, (2003), pp. 125–154.
- “Election Monitoring in Ghana: A Case for Domestic Monitors and Observers”, in Samuel E. Quainoo (ed.) *Africa Through Ghanaian Lenses*, Vestal International Press, Binghamton, New York, 2004, (2003) pp. 55-84. **ISBN 1-58684-023-1**.
- “Ghana’s Election 2000: Coming to Terms with Democratic Consolidation?”, in Samuel E. Quainoo (ed.), *Africa Through Ghanaian Lenses*, Vestal International Press, Binghamton, New York, 2004, pp.85–106. **ISBN 1-5884-023-1**.
- “Emerging Democracies and their Impact on Human Rights”, in Bernice Sam (ed.), **Contemporary Human Right Issues in Commonwealth West Africa**, Commonwealth Human Rights Initiative, Accra, 2003, pp.73–108, **ISBN 9988-8095-3-0**.

#### **Ninsin, K.A.**

- “The Idea of Democracy – Liberal or Social?”, in Helen Lauer (ed.), *History and Philosophy of Science for African Undergraduates* (Ibadan: Hope Publications, 2003: 159–164).
- “The Commonwealth and Human Rights in West Africa: The Case of Nigeria”, in Benice Sam (editor) *Contemporary Human Rights Issues in Commonwealth West African*, Commonwealth Human Rights Initiative, Accra Office, 2003.

#### **Amponsah, N.**

- *Local Government in Ghana: “Grassroots Participation in the 2002 Local Elections”*. Edited with, K. Boafo-Arthur. Uniflow Publishing. Accra, **ISBN 9988-0-1848-7**, Accra, 2003”.
- “The Mass Media and Grassroots Political Participation”, in Nicholas Amponsah and Kwame Boafo-Arthur (ed.), *Local Government in Ghana: Grassroots Participation in the 2002*. Uniflow Publishing. Accra, **ISBN 9988-0-1848-7**, Accra, 2003, 167–186.
- “Ghana’s Democratic Renaissance: An Overview”, with Kwame Boafo-Arthur, in Nicholas Amponsah & Kwame Boafo-Arthur (ed.), *Local Government in Ghana: Grassroots Participation in the 2002 Local Government Elections*, Uniflow Publishing Ltd. Accra, **ISBN 9988-0-1848-7**, Accra, 2003, 1–17.
- “The District Assemblies and Local Governance: Reflections on the 2002 Local Elections”, with Joseph R. A. Ayee, in Nicholas Amponsah & Kwame Boafo-Arthur (ed.), *Local Government in Ghana: Grassroots Participation in the 2002 Local Government Elections*, Uniflow Publishing Ltd., **ISBN 9988-0-1848-7**, Accra, 2003, 49–98.

## Conferences/Seminars/Workshops

### Ayee, J. R. A.

- Conference on “Africa’s Big Dysfunctional States” organized by the South African Institute of International Affairs (SAIIA) and Princeton University, New Jersey, US, held at Princeton University, New Jersey on October 9–October 10, 2003. Paper presented: **“Leading Large States”**.
- 13th Biennial Delegates Congress of the National Association of Local Authorities of Ghana (NALAG) on the theme “Effective Local Governance: Key to the Actualization of Poverty Reduction” held at the Akroma Plaza, Takoradi on October 14–October, 16, 2003. Paper presented: **“Non-Partisanship of the District Assemblies: A Fiction or a Reality”**.
- 2004 Public Symposium on Parliamentary Week Celebrations on the theme, “Democracy – Key to Sustainable Development” from January 18–25, 2004 held at the British Council, Accra. Paper presented: **“Election 2004: Implications for Parliamentary Democracy in Ghana”**.
- Biennial Conference of the British Political Science Association held at the University of Lincoln, Lincoln, UK held from April 5, 2004 to April 9, 2004: Paper presented: **“The Organizational Culture of Tax Officials in Ghana”**.
- Conference organized by the Institute of Development Studies, University of Sussex, UK and the Madras Institute of Development Studies, Chennai, India at Chennai, India from April 20 to April 25, 2004. Paper presented: **“Fiscal Decentralization in Ghana”**.
- 2004 National Commission for Civic Education 4th Constitution Week under the theme, “National Integration Through Tolerance” from April 28 to May 4, 2004 held at the Committee Hall, Accra International Conference Centre. Paper presented: **“Building Social Capital for the Rapid Growth of Ghana’s Democracy”**.
- DANIDA NGO Country Forum held at SNV Premises, Airport Residential Area, Accra on April 29, 2004. Paper presented: **“The Role of Civil Society and the 2004 Elections”**.
- International Conference organized by the Danish Institute for International Studies (DIIS) and the Institute of Development Studies, University of Sussex, UK held at Copenhagen, Denmark from June 12 to June 16, 2004. Paper presented (with Anu Joshi): **“The Politics of Taxing the Informal Sector in Developing Countries”**.
- Consortium for Development of Partnerships (CDP) organized by Northwestern University, Evanston, USA and The Netherlands Ministry of Foreign Affairs held at Eerbeek, The Netherlands, July 15-17, 2004: Paper presented: **“Democracy Building and Improving State Capacity”**.

### Boafo-Arthur, K.

- International Conference on “West Africa and the Quest for Democratic Nationhood”, Cotonou, Benin, 6-7 September, 2003, Paper Presented: **“National Reconciliation or Polarisation? Preliminary Reflections on the Politics of the Ghana National Reconciliation Commission.”**

- International Workshop on “Constitutions and Constitutionalism in Commonwealth West Africa”, organized in Banjul, The Gambia from 26-27 January, 2004 by the Commonwealth Human Rights Initiative, Africa Office. Paper presented: **“Ten Years of Constitutional Rule in Ghana.”**
- International Roundtable on “G8-Africa Partnership” organized by the New York Centre on Foreign Relations on 25 March, 2004. Paper Presented: **“Strengthening G8- Africa Partnership: Africa’s Performance.”**
- International Forum on “African Parliaments, Government and Governance”, sponsored by the Institute of Social Studies at the Hague, the Netherlands Institute of Multi-Party Democracy, and the Kenyan Institute of Liberal Democracy, April 14–18, 2004. Paper Presented: **“Parliaments and Parliamentary Practices in Ghana: Past, Present and the Future.”**

#### **Ninsin, K. A.**

- Conference on “The African Union and New Strategies for Development in Africa”, organized by CODESRIA and the DPMF in Addis Ababa, Ethiopia, 26-28 January, 2004. Paper presented: **“West Africa’s Integration and the Logics of History and Culture”**,
- **“Left in the Ditch: Africa and the Dialectics of Globalization”**. Paper commissioned for publications as part of a collection of essays addressing the challenges facing Africa in the 21st Century. To be published soon.
- Workshop on “Constitutions and Constitutionalism in Commonwealth West Africa”, organized in Banjul, The Gambia from 26th to 27th January, 2004 by the Commonwealth Human Rights Initiative, Africa Office in Accra. Paper presented: **“The Third Wave of Democracy in Commonwealth West Africa – An Assessment”**.
- 30th Anniversary Conference of the African Association of Political Science, Yaoundé, Cameroon, June 28–29, 2004. Paper presented: **“Globalization and Africa’s Triple Heritage”**.

#### **Amponsah, N.**

- XIV African Association of Political Science (AAPS) Biennial Congress, Durban, South Africa, June 26–28, 2003. Paper presented: **“Making Capitalism Work: The Absence of Social Capital and the Failure of Market Capitalism in Ghana.”**
- British Council Conference on African Leadership, on “African Leadership, the Peer Review, and NEPAD, Westminster, London, July 11–14, 2003.

## DEPARTMENT OF PSYCHOLOGY

### Overview

The Department of Psychology continued to train hundreds of young men and women both at the undergraduate and the graduate levels. Though housed in a very small structure, the Department is one of the largest Departments in the University in terms of student numbers. During the year under review, there was a phenomenal increase in student enrolment which was however not matched with corresponding increase in staff strength. The Department was however able to recruit Mrs. Margaret Amankwah-Poku in September 2003 to beef up the staff strength. Mr. Samuel Atindanbila, one of the members of the teaching staff went on a one year exchange program at the Indiana University, USA, starting from October, 2004.

The Department with its long term mission is gradually becoming a centre of excellence for its postgraduate Clinical and Industrial/Organizational Psychology programmes. The number of applicants into the two programmes each year continues to rise while enrolment continues to attract not only graduates from Psychology Department but also from other disciplines such as Medicine, Public Health and Pharmacy.

In April, 2004, the Department in conjunction with the University of Ghana Association of Psychology students (UNIGAPS) celebrated the 3rd Psychology Week, which was widely publicized and drew a lot of participants. The Psychology Week in the year under review was innovative in that by the help of Professor C. Mate Kole of the Central Connecticut State University, active participation of students was encouraged by allowing them to present their research projects either verbally or in poster sessions. Prizes were given to those who had good presentations.

Additionally, during the Psychology Week celebration, the Department in conjunction with UNIGAPS and some alumni reconstructed the front view of the Department by paving it. Thanks to Murfax Concrete Products for sponsoring the project.

The Department has also been the beneficiary of a number of items. These include:

1. An assortment of books from World Vision International
2. Nine (9) computers, a printer and books from Prof. C. Mate Kole of Central Connecticut State University
3. An assortment of Journals from Prof. Slater Newman and Dr Craig Brookins both of the North Carolina State University
4. One (1) computer and 2 printers from Mr. Amoo, Honourable Member of Parliament for Ayawaso West (Wuogon) Constituency.

The Department is extremely grateful to these benefactors.

The Department hosted two Professors (Professors Birthe L. Knizek and Heidi Hjelmeland) from the Norwegian University of Science and Technology (NTNU) in June, 2004 who were here to explore the possibility of staff and student exchange between our two Departments. As a follow up, the Head of Department would also visit NTNU in Trondheim to finalize the exchange arrangements.

## Courses

- **Undergraduate Courses:** The Department offered over 30 undergraduate courses at Levels 100, 200, 300 and 400. There was marked increase in the number of students offering Psychology both as a single subject major and combined major.
- **Postgraduate Courses:** In spite of the acute shortage of staff, two postgraduate programmes, Clinical and Industrial/Organizational Psychology, were offered at the M.Phil level. Social Psychology and Counselling Psychology were also offered at the doctoral level.

## Student Numbers

Level 100	-	1399
Level 200	-	1310
Level 300	-	891
Level 400	-	469
M.Phil I	-	26
M.Phil II	-	21
Ph.D	-	6
<b>Total</b>	-	<b>4,122</b>

## Academic Staff

1. Prof. J. Y. Opoku - Associate Professor
2. Dr. A. Afrifa - Senior Lecturer
3. Dr. R. Akuamoah-Boateng - Senior Lecturer & Head of Department
4. Mrs. Charity S. Akotia - Senior Lecturer
5. Dr. B. Amponsah - Lecturer
6. Mr. Wiafe-Akenteng - Lecturer
7. Mr. Adote Anum - Lecturer (on Study Leave)
8. Dr. Abena Asantewaa - Lecturer
9. Mr. Maxwell Asumeng - Lecturer (On Study Leave)
10. Mr. S. Atindanbila - Lecturer (On Study Leave)
11. Prof. S. A. Danquah - Professor (On Contract)
12. Dr. J.J. Lamptey - Senior Lecturer (Part-time)
13. Mrs. Rachel Phillips - Lecturer (Part-time)
13. Ms. Sarah Adoo - Lecturer (Part-time)
14. Mrs. Margaret Amankwah-Poku - Lecturer

### **Non- Academic Staff**

- |                         |   |                                    |
|-------------------------|---|------------------------------------|
| 1. Mr. J. J. Mensah     | - | Principal Technician               |
| 2. Mrs. Joyce Ahadome   | - | Principal Administrative Assistant |
| 3. Ms. Elizabeth Cudjoe | - | Senior Administrative Assistant    |
| 4. Mrs. Mary Ametepey   | - | Administrative Assistant           |
| 5. Ms. Lydia A. Quao    | - | Clerk Grade 1                      |
| 6. Mr. Francis Asandor  | - | Senior Headman                     |

Five (5) M.Phil Part II students were appointed Graduate Teaching Assistants.

### **Opoku, J. Y.**

#### **Publications**

##### **Books:**

- *Tutorials in Inferential Social Statistics: A Companion for Undergraduate Students.* [Produced by the Printing Division of the Institute for Scientific and Technological Information, Council for Scientific and Industrial Research, Accra, Ghana, 2004].
- *A Short Guide to Research Writing in the Social Sciences and Education* (2nd edition). [To be published in 2005 by the Ghana Universities Press, Accra, Ghana].

#### **Completed Research**

- Completed manuscript on the book: *Psychology for Everyday Living: Readings in Psychology for the Layperson.* [To be published in early 2005].
- Second Language Proficiency and Cross-Language Influence on a Comprehension Task. [To be published in the next issue of the *Ghana Journal of Psychology*].

#### **Research in Progress**

- Language of Instruction and Location of School as Determinants of Academic Performance. [In collaboration with G.N.A. Hanson].
- Some Social and Psychological Factors Underlying Admission of Senior Secondary School Students into the Universities in Ghana. [In collaboration with I. G. Akar and N. Okwei].

#### **Extension Activities**

- Continued with my work on PUPEK (Project for the Upliftment of Education among Kwahus), a project to assist disadvantaged Kwahu school children to attain higher levels of education.
- Published the following newspaper articles in the **Gye Nyame National Concord** under the column: *Psychology for Everyday Living*, to educate the general public on issues in psychology:
  - Discipline is a learning process: A psychological perspective on the campaign against indiscipline.
  - Oh our anger, our anxieties, and our sadness: May the Almighty save our hearts!
  - Everybody wants to go to heaven but nobody wants to die: Let's talk a bit about death and dying.

- Of pin codes, passwords, ..., something dot com: Do not condemn but value the mature mind.
- Windows to the mind: A discourse between the normal, the not so normal, and the "insane".
- Sexual harassment, rape, child sexual abuse and all that: Some psychological underpinnings of human sexuality.
- Is your child stubborn or difficult to control?: Blame it not on peer and media influences alone but also on your own behaviour and attitude.
- Man, know thyself: Individual differences in dealing with the emotions.
- A "psychological anatomy" of the "king" of mortal men.

[These articles and others published in 2002 and 2003 have been compiled into the book: *Psychology for Everyday Living: Readings in Psychology for the Layperson*, mentioned under **Completed Research**].

### **Afrifah, A. A.**

#### **Publication**

- Afrifah, A. (2004). Poverty and the Ghanaian Family. *Research Review Supplement*, 15, 93 -99.

#### **On-going Projects**

- Piaget: Understanding Children's Thinking (in preparation)
- An introduction to psychoanalysis (in preparation)

### **Akuamoah-Boateang, R.**

#### **Publication**

- Women's career Issues, Vol. 9 2003: Prudent Printing Press

#### **Seminars/Conferences**

- Ghana Bar Association Annual Conference, October, 2003
- 3rd Annual Conference of the Ghana Psychological Association, November, 2003.

### **Akotia, Charity S.**

#### **Publications/Papers**

- Akotia, C.S., Schroeder, R. M., & Abdul-Nasiru, I. (*in press*). Fear of success and levels of aspiration among university of Ghana students. *Journal of Research and Development in Education*.
- Amponsah, B., Akotia, C. S., & Olowu, A. (*in press*). Ghana. In J. Georgas, J. Berry, F. van de Vijver, Y. H. Poortinga, & C. Kagitcibasi (eds.), *Cultures, Families and Psychological Functioning*. London: Cambridge University Press.

#### **Conferences**

- Akotia, Charity "Fear of success and its psychosocial correlates among female managers" Paper presented at the Ghana Psychological Association Conference, Accra, October, 2003.
- Brookins, C. C., Bryant, D., Akotia, C. S., Watts, R., Emshoff, E., & Moleko, A.

(2003). International Research Collaboration in Africa. Symposium presented at the 9th Biennial Conference for Community Research and Action. Las Vegas, New Mexico.

### **Research Projects**

- Women working in traditional and non-traditional occupations: Challenges and Coping
- Cross cultural studies on suicide and suicide prevention
- Cross cultural studies on personal responsibility

### **Amponsah, B.**

#### **Publications**

- Amponsah, B., Akotia, C. S., & Olowu, A. (in press). Ghana. In J. Georgas, J. Berry, Fons Vrijver, Y. H. Pootinga, and C. Kagitcibasi (Eds). *Cultures, family and psychological functioning*. London, Cambridge Univ. Press.

#### **Conferences**

- Attended the 3rd Annual Conference of the Ghana Psychological Association. Theme: *National Development: The role of psychologists*. At Teachers (GNAT) Hall, Accra 13th – 14th November, 2003).

#### **Ongoing Research Projects**

- Family Structure and Function Across Cultures: Psychological Variations.
- Child-rearing practices and their impact on development of cognitive spatial skills.
- Moral reasoning and Development among Ghanaian children.
- Beliefs about Deception – Cross-cultural perspectives

### **Asantewaa, Abena**

#### **Conferences/Papers**

- Attended the 3rd Annual conference of the Ghana Psychological Association, Accra. Presented a paper on “African ethos as the basis of a holistic treatment paradigm”
- Attended and presented a paper on “African Genius: Mind” at the Pan-African Student Summit.

#### **Ongoing research**

- Group orientation as an intervening variable in locus of control.

### **Wiafe-Akenteng C. B.**

#### **Conferences/seminars**

- Wiafe-Akenteng, “Culture, perceptions, mind set and corruption”. Paper presented at the Interfaculty lecture at the University of Ghana, February, 2004.
- Wiafe-Akenteng, “Psychosocial concerns and help-seeking behaviour among adolescents in Ghana” Paper presented at the 3rd Annual Conference of the Ghana Psychological Association (GPA), October, 2003.

- With Berthea, A. R. & Richardson, T. Q. (August, 2003). Assessing multiple aspects of African identity. Paper presented at the annual meeting of the American Psychological association (APA), Chicago, IL, USA.
- World Bank & Ministry of Finance workshop on World Bank Funded Projects in Ghana, Accra, July, 2003.
- Workshop on research, proposal writing and fund raising by the Carnegie Community Foundation of USA, in collaboration with the University of Ghana, Legon. Accra, April, 2003.

### **Unpublished reports**

- The influence of University education on attitude change.
- Information seeking habits among University of Ghana students.

### **On-going Research**

- The influence of self-construction, religiosity and social pressure on decision making: on-going doctoral dissertation.
- Skin bleaching: An internalized racism or admiration for light skin?
- Supernatural beliefs, rituals and avoidance behaviours among traders.

### **Amankwah-Poku, Margaret**

#### **Papers**

- The effect of stress on diabetic patients: The relationship between stress and hyperglycemic control in Ghana. An unpublished report.

### **Workshops**

- TOT of Health Personnel on HIV/AIDS Voluntary Counselling and Testing (VCT)/Prevention of Mother to Child Transmission (PMTCT) Counselling Training Programme. May 2004–July, 2004. National AIDS Control Programme (NACP).

## **DEPARTMENT OF SOCIOLOGY**

### **Overview**

**Sociology continues to be the most popular and attractive of all the Social science courses in the University of Ghana.** The Department of Sociology currently has over five thousand registered students, a staff strength of twenty senior members and nine junior members. It also has a large number of post-graduate students including fifteen Ph.D students who will if well nurtured grow and replace the ageing population of its staff.

**Despite these numbers the Department is the least resourced in the University of Ghana.** It has not seen any major physical development since its incep-

tion in the 1950s. It lacks basic facilities such as toilets, post graduate space, seminar rooms, tutorial rooms, research rooms and conference rooms. In spite of these constraints the staff are well motivated through research and extension activities for the Medical school, the Police service, the Military Academy, the Ghana school of Journalism, the school of Public health, the School of Administration and the Accra City Campus.

**In the spirit of the mission statement of the University of Ghana's ten-year corporate strategic plan**, the Department of sociology has deemed it important to review its approach to teaching and research to suit the changing needs of Ghanaian modern society. This is especially important in making Sociology relevant to the nations development needs. It is in this regard that the new head of department, Professor Clara Fayorsey with the support of her staff undertook major steps to improve the quality of teaching and learning within the 2003/2004 academic year.

**During the year under review the Department has increased its staff strength from seventeen to twenty.** Concurrently its members on post retirement contract have also increased to 30 percent of the existing staff. Seventy-five percent of the current staff will be retiring within the next five to ten years. If no massive recruitment drive is undertaken within the next two to three years the quality of teaching and learning will deteriorate. As an interim measure to accommodate the new teaching staff, the Department has annexed the prison administration unit and is hoping to expand existing facilities to accommodate both staff and students

To make Sociology relevant to development needs of Ghana and Africa at large, seven new courses have been added to the existing curriculum and these include:

1. Poverty and Rural Development
2. Culture and Development
3. Sociology of Tourism
4. Globalization and Society
5. Sociology of Law
6. Globalization and formal organisations
7. Culture Gender and Reproductive Health.

The addition of these new courses were also to enable students to have enough courses to meet their credit hours requirements which had hitherto been a problem.

**The Department revived its tutorial system which had almost collapsed because of lack of tutorial assistants and tutorial space.** About thirty National service personnel and teaching assistants were recruited to support the tutorial system. As an interim measure, marquis tents have been erected and the shades of all the big trees in the upper and lower courts of the Department have become tutorial rooms.

**During the year under review the Department has been able to establish a staff and student exchange programme with the University of Trömso, Norway.**

Two of our post-graduate students will be leaving for Norway in January, 2005 for a one year exchange programme. The department also continues to support foreign students assigned to it from the international students programme.

**To facilitate and support the work of the junior staff, four new computers have been acquired and the department has also received two computers from friends of the Department abroad.** The administrative secretary of the Department underwent training at the school of administration to improve her efficiency. More junior staff will be trained in the coming year.

**The Department has continued to modernize its existing computer facilities** by converting an adjoining room at its Computer Center into a Student's internet Café. The Department's Computer center was established in 2000 as a result of a collaboration with the Institute of Computer Technology, a Ghanaian NGO, which provided the Department with 20 computers and a printer to help train both students and faculty. The aim is to make Information Technology an important part of the academic pursuits in the Department. As a part of the modernization of the Department's IT facilities, all of its computers have been networked and every office has an Internet facility hooked to a radio link.

**Lecturers in the Department are being encouraged to undertake research and publish papers in spite of their heavy work load,** and in deed many have made an attempt to do so this year. The Department is also frantically trying to access funds from International donors and the Teaching And Learning Innovation Fund (TALIF) to pursue its expansion drive which has been communicated to the Vice Chancellor. These will include the extension of the Department library, the extension and refurbishment of the Binding section into a Post Graduate complex, the building of a toilet complex and the extension of the car park. In the coming years new Office space for lecturers may have to be cited away from this old site.

The Department of Sociology needs urgent financial support to make the New Head of Department's vision a high quality, modern institution which is developmentally relevant and efficient a reality.

## **Staff**

The Department of Sociology continues to advertise for new staff members to replace its ageing population. The current staff include;-

### **Senior Members**

1. Prof. Clara K. Fayorsey
2. Dr. Kodjo A. Senah
3. Dr. Kofi Ohene-Konadu
4. Dr. M. K. Yeboah
6. Dr. Dan-Bright Dzorgbo

7. Dr. Steve Tonah
8. Ms. Betty Akumatey
9. Dr. Akosua Darkwah
10. Rev. Dr. M. P. K. Okyerefo
11. Mr. Kodzovi Akpabli-Honu
12. Mr. Stephen Afranie
13. Ms. Peace M. Tetteh
14. Mr. K. Oduro-Kwarteng
15. Dr. William Ahadzie

#### **Post Retirement Contract**

16. Prof. Chris Abotchie
17. Prof. G. K. Nukunya
18. Prof. J. M. Assimeng
19. Mr. E. H. Mends
20. Dr. Y. Yangyuoru

#### **Post Retirement Part Time**

Dr. K. Kwabia

#### **Senior Staff**

1. Mrs. Vicky Ayiku
2. Mrs. Comfort Agbodaze
3. Ms. Margaret Ahiagbenyo

#### **Junior Staff**

1. Mr. Thomas Annang
2. Ms. Salomey A. Adofoli
3. Mrs. Rosemary Okai-Addo
4. Mrs. Ophelia Ampomah Abedi
5. Mr. Edward Appiah-Sow
6. Mr. Solomon Takyi
7. Ms. Joyce Darkwah
8. Mr. George Sarpong
9. Mr. Joseph Lamptey

#### **Courses**

Seven new courses have been added to the courses on offer in the Department this academic year. Students offering Sociology now have adequate number of courses to meet their credit requirements. The courses offered in the Department are as follows:

#### **Level 100 Courses**

The Courses available in Level 100 are compulsory for all students

SOCI 101:	Principles of Social Organization	3
SOCI 102:	Diversity of People and Cultures	3

### Level 200 Courses

The Courses available in Level 200 are compulsory for all students

SOCI: 201	Basic Concepts in Sociology	3
SOCI: 202	Comparative Social Institutions	3
SOCI: 203	Traditional Ghanaian Social Institutions	3
SOCI: 204	Social Structure of Modern Ghana	3

### Level 300 Courses

#### Core

SOCI: 301	Foundations of Social Thought	3
SOCI: 302	Perspectives in Social Theory	3
SOCI :303	Social Psychology	3
SOCI: 304	Groups, Organizations and the Individual	3
SOCI: 305	Research Methods	3
SOCI: 306	Quantitative Methods in Sociology Research	3

#### Electives

SOCI: 307	Rural Sociology	3
SOCI: 308	Poverty and Rural Development	3
SOCI: 309	Urban Sociology	3
SOCI: 310	Culture and Development	3
SOCI: 311	Sociology of Tourism	3
SOCI: 312	Population Studies	3
SOCI: 313	Sociology of Religion	3
SOCI: 314	Sociology of Deviant Behaviour	3
SOCI: 315	Political Sociology	3
SOCI: 316	Medical Sociology	3
SOCI: 317	Sociology of the Family	3

### Level 400 Courses

#### Core

SOCI: 400	Project Work/Long Essay	6
SOCI: 401	Social Anthropology	3
SOCI: 402	Societies and Cultures of Africa	3
SOCI: 403	Theories of Social Development	3
SOCI: 404	The context of Dev. And Underdevelopment	3
SOCI: 405	Industrial Sociology I	3
SOCI: 406	Industrial Sociology II	3
SOCI: 407	Globalization and Society	3

#### Electives

SOCI: 408	Demographic Analysis	3
SOCI: 409	Gender Studies	3
SOCI: 411	Sociology of Law	3

SOCI: 412	Contemporary Social Theories	3
SOCI: 413	Advanced Quantitative Techniques	3
SOCI: 414	Globalization and Formal Organizations	3
SOCI: 415	The Sociology of Science	3
SOCI: 416	Penology	3
SOCI: 418	Culture and Reproductive Health	3

## Graduate Courses

### Core

SOCI: 601	Perspectives in Social Thought	4
SOCI: 602	Issues of Advanced Social Theory	4
SOCI: 603	Advanced Quantitative Techniques	4
SOCI: 604	Research Methods	4
SOCI: 605	The Sociology of the Third World	4
SOCI: 606	Political Economy of African States	4

### Electives

SOCI: 607	Transformations of Rural Institutions	4
SOCI: 608	Social Life in Urban Communities	4
SOCI: 609	Comparative Religions Institutions	4
SOCI: 610	Globalization and the Developing World	4
SOCI: 611	Sociology of the Family	4
SOCI: 613	Gender Studies	4
SOCI: 615	Population & Development	4
SOCI: 617	Sociology of Health Institutions	4
SOCI: 618	Personnel Management in Indus. Org.	4
SOCI: 619	Sociology of Industrial Organization	4
SOCI: 621	Social Movement and Collective Action	4

## Diploma in Prisons Administration

All the courses available in Year One and Year Two are compulsory or students who intend to complete the Diploma in Prisons Administration

### Year One

SOCI 001:	Basic Concepts in Sociology	3
SOCI 002:	Comparative Social Institutions	3
SOCI 003:	Traditional Ghanaian Social Institutions	3
SOCI 004:	Social Structure of Modern Ghana	3
SOCI 005:	Sociology of Deviant Behaviour I	3
SOCI 006:	Sociology of Deviant Behaviour II	3
SOCI 011:	Quantitative Methods in Social Research	3
SOCI 012:	Research Methods	3
ECON 001:	Economic Institutions	3
POLI 002:	Political Institutions	3
SOWK 001:	Methods of Social Work I	3

## Year Two

SOCI 041:	Penology	3
SOCI 043:	Social Psychology	3
SOCI 044:	Groups, Organizations and the Individual	3
SOCI 064:	Administration	3
ADMN 063:	Secretarial Practice	3
PSYC 043:	Personality and Abnormal Behaviour I	3
PSYC 044:	Personality and Abnormal Behaviour II	3
FLAW 051:	Ghana Legal System and Methods I	3
FLAW 052:	Ghana Legal System and Methods II	3
PSAD 042:	Institutional and Non-Institutional Methods of Treatment	3
PSAD 060:	Long Essay	3

## Student Numbers for 2003/2004 Academic Year

### (a) Post Graduate Students

Ph.D	15
M.A./M.Phil	41
<b>Total</b>	<b>56</b>

### (b) Sociology Under-Graduate Student

Level 100	1187
Level 200	1748
Level 300	1395
Level 400	662
Occasional Student	31
<b>Total</b>	<b>5,023</b>

### (c) Diploma in Social Administration

Year I	61
Year II	50
<b>Total</b>	<b>111</b>

### (d) Diploma in Prison Admin

Year II	4
<b>Grand Total</b>	<b>5,194</b>

## Staff Research and Publications for 2003/2004

Some Senior members have managed to combine their heavy teaching load with research, publications and public service. The profile for 2003/2004 was as follows:

### Fayosey, Clara K.

#### Research Activities

- Evaluation of UNESCO Response to HIV/AIDS in collaboration with The Centre for Health and Social Development (HeSo) Oslo and Stockholm.
- African Gender and Development Index – ECA Commissioned.
- An Assessment of the UNDP Leadership Development Programme.

- Vulnerable Groups and Protection Issues in Ghana – United Nations Common Country Assessment – UNICEF.
- Youth and Health Module – Commonwealth Youth Programme – CYP.

## **Publications**

### **Books:**

- Youth and Health Module 12 CYP © Commonwealth Secretariat 1998, Revised by Fayorsey Clara, 2004. Printed in Malaysia by SRM Production Services Sdn. Bhd. Web site: <http://www.thecommonwealth.org>.
- Polygamy in Ghana © GTZ Legal Pluralism 2004.

### **Reports:**

- An assessment of Training needs in Educational planning and Management in the context of HIV/AIDS by Fayorsey C.K, Bako J. and Asumadu A. in collaboration with the Ministry of Education/ ERNWACA and IIEP/UNESCO. <http://www.iiep.unesco.org/culture/aids>.
- An Evaluation of UNESCO's response to HIV/AIDS, Kim Forss, Stein Erik Kruse Clara Fayorsey, Marilyn Lauglo and Manola Chanchez, in collaboration with HESO, Oslo and Stockholm February, 2004.
- Vulnerable Groups and Protection issues in Ghana in collaboration with Agnes Aidoo and Estelle Appiah UNICEF 2004.
- UNDP Leadership Development Programme © UNDP 2004.

### **Articles:**

- Gender Culture and Governance: Ghanaian Queen Mothers as Leaders in Development: Institute of African Studies 2004.
- Polygyny and Plural Marriages – Legal Implications for Inheritance Rights, Property Rights and Childcare/Maintenance by Fayorsey C.K. and C. Dowuona-Hammond – GTZ Legal Pluralism 2004.

## **Conferences/Workshops/Papers presented**

- Represented the Vice Chancellor at the International meeting on University Community and Education for All. UNESCO Paris- November, 2004.
- The impact of HIV/AIDS on Girls and Women in the Education Sector of Ghana. Paper presented at the ERNWACA/IIEP International Conference on Education Research Response to HIV/AIDS , Bamako- Mali, June, 2004.
- Polygamy and Plural Marriages – Legal Implications for Inheritance Rights, Property Rights and Childcare/Maintenance paper presented at the Africa Regional Conference on Legal Pluralism, held at the La Palm Royal Beach Hotel, Accra GTZ February, 2004.
- UNESCO's Cultural Approach to HIV/AIDS. paper presented at the National Commission on Culture's workshop on "Culture and HIV/AIDS – Eliminate Dangerous Cultural practices held at the Nurses hostel, Accra October, 2004
- Girl Child education and Training of Women in Ghana. Paper presented at the Ministry of Women and Children's affairs (MOWAC) workshop on the Ghana National Plan of Action for Women, Sogakope, October, 2003.

## **Tonah, S.**

### **Publications**

- Defying the Nayiri: Traditional Authority, People's Power and the Politics of Chieftancy in Mamprugu/Northern Ghana, 2004 *Legon Journal of Sociology*, Volume 1 Number 1

### **Conferences/Workshops/Papers presented**

- Genital Schistosomiasis and HIV/AIDS in the Lower Volta Basin. Paper presented at the National HIV/AIDS Research Conference (NHARCON), Accra, 11th – 13th February, 2004.
- National HIV/AIDS Research Conference (NHARCON), Accra, 11th -13th February, 2004.
- Seminar on “Provision of Graduate Education on the Environment in Ghana”. Cresta Royal Hotel, Accra, 7th – 8th June, 2004.
- Seminar on “The Social Construction of Traditional Societies in the Middle Volta Basin/Burkina Faso”. Max Planck Institute, Halle/Salle, Germany, July 21, 2004.
- Mitigating Schistosomiasis in the Lower Volta Basin of Ghana. Paper presented at the International Water Management Institute, Pretoria, South Africa, July 12-13, 2004.
- Diviners, Malams, God and the Contest for Paramount Chiefship in Mamprugu/Northern Ghana. Paper presented at the Inter-Faculty Lecture, University of Ghana, Legon, November 13, 2003.
- Conference on “Conflict: What has Religion got to do with it”. International Conference Centre, Accra, 6-8 October, 2003.
- Seminar on “How Reality Works: About the Informal Privatization of Street Level Bureaucracy in West Africa” Max Planck Institute, Halle/Salle, Germany, August 16, 2003.

## **Senah, K.A.**

### **Publications**

- Maternal Mortality in Ghana: The Other Side *Research Review NS 19.1 (2003): 47-55.*
- In the Mighty Name of Jesus: Faith Healing and Health-seeking Behaviour in Ghana. *Legon Journal of Sociology 1 (1) 2004: 59-70.*

### **Seminar/Workshop/Lecture Attended And Paper Presented**

- Inter-Faculty Lecture, 23rd October, 2003 Paper Delivered: Negotiating Patient Compliance: Implications For Health Care Delivery in Ghana.
- Internal Crisis Management Course, Ghana Armed Forces Command and Staff College, Accra, 4th – 12th May, 2004.

### **Papers Presented**

- Religious Leadership, Conflict Prevention and Reduction in Ghana.
- Tribal, Ethnic and Chieftancy Conflict in Ghana.

### **Ohene-Konadu, K.**

#### **Research Activities**

- Changing Role of the Ghanaian Husband
- Creating Congenial Atmosphere in Industry.

### **Yeboah, K.**

#### **Research Activities**

- HIV/AIDS at Workplace
- Rural and Urban Poverty
- Monitoring and Evaluation of GPRS .

#### **Publications**

- HIV/AIDS at Workplace – in Collaboration with UNFPA
- Annual Progress Report of GPRS – with NDPC.

### **Okyerefo, M.P.K.**

#### **Conference/Workshop/Paper Presented**

- Lecture held: **'Religion and the Professional Nurse'**, Department of Nursing, University of Ghana, April 26, 2004.
- Paper presented: **'The Role Academic Work in Building a Career'**, Youth Workshops, Emmanuel Methodist Church, Lapaz, Accra, May 15, 2004.
- Attended Seminar on **'Higher Education for the Needy and Disabled: A Collective Social Responsibility'**, May 17 – 21, University of Ghana.
- Rapporteur: **Ghana Academy of Arts and Sciences/Friedrich Erbert Foundation Public Forum**, June 14-16, 2004.
- Paper presented: **'Preparing Effective Lesson Notes'**, Teachers' Workshop, Queens International School, September 1, 2004.
- Report presented: **'The 2004 Ghana Academy of Arts and Sciences/Friedrich Erbert Foundation Public Forum on the Economy, Productivity and Income Levels in Ghana'**, September, 2004.

### **Dan-Bright, S.D.**

#### **Conference/Workshop/Papers Presented**

- Presented paper: **"What is Development?"** at a Workshop with State Radio Journalists Ghana Broadcasting Corporation (GBC) Training School Theme: Strengthening Radio Coverage of Development Issues, Saturday May 1, 2004 Venue: GBC Radio Studios.
- Presented paper **"Anti-Malarial Drug Resistance: Exploring the Behavioural Dimension and the Interface between Drug Users and Dispensers and Prescribers"** at UNICEF/UNDP/WORLDBANK/UNICEF/WHO Special Programme for Research and Training in Tropical Diseases and Noguchi Memorial Institute for Medical Research's Symposium on **Social, Economic and Biological Determinants of the Emergence and Spread of Drug and Insecticide Resistance**, Legon-Accra May 25, 2004.
- Consultant for Ghana Telecom (GT) **Employees Survey**, from December 2003 to March, 2004. A study commissioned by Ghana Telecom to determine employees understanding of GT's vision and mission statements as well

workers morale, work culture, and organizational problems as they relate to productivity

- Attended **Training Workshop on Curriculum Development for HIV/AIDS Management in the World of Work** organized by Institute of Adult Education of the University of Ghana, Legon and the African Centre for AIDS Management of the University of Stellenbosch in South Africa, on 12<sup>th</sup> October 2004 at the Institute of Adult Education, Legon.

### **Assimeng, J.M.**

#### **Research Activities**

- History and Theoretical Perspectives of Legon Sociology
- Social and Psychological Coping Mechanisms in Retirement

#### **Publications**

- "Ethnicity, Marginalization and Intolerance" in *Transactions of the Ghana Academy of Arts and Sciences (2003)*
- *Living in Society (accepted for publication by the Ghana Universities Press 2004)*

#### **Seminar/Workshop/Papers Presented**

- Ghana Academy of Arts and Sciences Annual Celebration, November, 2003: Submitted paper on "Ethnicity, Marginalization and Intolerance"
- Ghana Academy/Goethe Institute Workshop, September, 2004 on the Contemporary Relevance of Tradition. Submitted paper on "Tradition, Innovation and change: The case of Traditional Rule"

### **Afranie, S.**

#### **Research**

- Local Consultant to Fafo, Institute for Applied International Studies, Norway for Street Children Identification Study in Accra (September-October 2004).

#### **Publication**

- 'Social and Ethical Challenges of HIV/AIDS' in Ghana Human Development Report 2004 (forthcoming). UNDP/UNFPA/ISSER Publication.

#### **Seminar/Workshop/Papers Presented**

- (HIV/AIDS in the Workplace)  
Topic: Sustaining HIV/AIDS Awareness for Behaviour Change: (Co-Presented with E.N Appiah of ISSER) for the Staff of the Office of the Head of Civil Service (May- September, 2004).
- Ghana Human Development Report 2004. (Organizers – UNDP/UNFPA/ISSER)
- Social and Ethical Challenges of HIV/AIDS (July 28, 2004).

### **Ahadzie, W.**

#### **Research Activities**

- Investigating the Relationship between Human Rights and Poverty Reduction under the auspices of /CHRP\*
- Completed data collection on Proverbs and Gender stereotyping for publication.

## Publications

- Luckham R, William Ahadzie (2004) Drivers of Change in Ghana-DFD.
- Botchie G. William Ahadzie (2004) Skill Development and Poverty Reduction in Ghana. ISSER.
- Socialization and Social Accountability – Paper presented at KNUST as part of Development Dialogue series (No. 6). \* ICHRP – Int. Council on Human Rights Policy. I am one of the two country researchers for this study.

# COLLEGE OF HEALTH SCIENCES

## UNIVERSITY OF GHANA DENTAL SCHOOL

### Overview

The Department continues to offer teaching to students offering dentistry at the University of Ghana Dental School.

### Courses

- (i) Dental Material Science
- (ii) Oral Biology
- (iii) Oral Radiology I

### Student Numbers

Level	Number
LEVEL 500	15
LEVEL 600	14
<b>TOTAL</b>	<b>29</b>

### Staff Position

- 1 Senior Lecturer
- 1 Lecturer
- 2 Part-Time Lecturers

Out of this number one Senior Lecturer is on leave of absence.

## DEPARTMENT OF COMMUNITY & PREVENTIVE DENTISTRY

### Overview

The Department offers the following courses to Clinical Year Dental Students.

1. Community Dentistry
2. Periodontology
3. Biostatistics

Course (1) above involves outreach programmes where students screen selected communities within the Accra Metropolis. Final Year Dental Students visit two (2) polyclinics (Usher and Kaneshie) where they provide dental treatment under the supervision of the Resident Dental Surgeons.

### Student Numbers

LEVEL		NUMBER
CLINICAL YEAR I	-	15
CLINICAL YEAR II	-	14
CLINICAL YEAR III	-	13
<b>TOTAL</b>	-	<b>42</b>

### Staffing Position

- 1 Lecturer
- 3 Part-Time Lecturers
- 1 Senior Staff

### Research Project

The Head of Department was part of the team which carried out the Oral Health Survey in 10 selected communities in Ghana.

### Publications

Dental Manpower in Ghana: CRITICAL ISSUES

### Conferences Attended

Ghana Dental Association, Accra, June, 2004.

### Benefactors/Donation

- A well equipped **MOBILE DENTAL VAN** was donated to the Dental School by the **ROTARY CLUB OF NEWBURY PARK**, California, USA. The Van is used by the department in its community service/outreach programmes.
- The Department received an amount of three million cedis (3,000,000) from the pupils of **ALPHA BETA PRIMARY/ JSS, DANSOMAN, ACCRA** to support outreach programmes for school children.

# DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY

## Overview

The Dental and Maxillofacial Department located at the Korle-Bu Teaching Hospital is committed to providing excellent care for patients irrespective of age, sex, colour or race. In addition, the department provides training for Dental and Medical students as well as offering post-graduate residency training program in Oral & Maxillofacial Surgery.

### Courses Offered

The department offered courses at the BDS Final Parts, I, II & III levels in such areas as, Oral & Maxillofacial Surgery, Oral Radiology, Local Anaesthesia, and Exodontia.

### Student Members

Level 500	-	15
Level 600	-	14
Level 700	-	13
Senior Resident	-	1
Residents	-	3
<b>Total</b>	-	<b>46</b>

### Staff Position

- 1 Senior Lecture
- 1 Lecturer
- 1 Teaching Assistant
- 1 Junior staff
- Other staff (Ministry of Health)
  - 1 Principal Nursing Officer
  - 5 Dental Surgery assistants
  - 2 Laboratory Technicians

### Research Projects

- **Parkins, Grace** in collaboration with Dr. George Armah (NMIMR), Prof. Mingle (Department of Microbiology – UGMS) and Dr. Yao Tettey (Department of Pathology – UGMS). Continuing with “Oral tumours – Light and Electron Microscopy studies”.
- **Parkins, Grace** in collaboration with Dr. Kwesi Addo (NMIMR), Dr. T. Adiku (Department of Microbiology): “Maxillofacial infections”.
- **Abdulai, A. E.** the use of Local Anaesthesia in the Management of Fractures of the Facial Skeleton.
- **Abdulai, A. E.** reconstruction of The Orbital Floor with Temporalis Muscle Flap following Hemi-Maxillofacial Surgery.

## **Publications**

### **Parkins, Grace E A**

- (Co-author of Book): "Management of Accident and Emergencies: A Manual for Frontline Providers". Edited by Hesse I. F. A., Adadevoh S. W. K., Bannerman C, Hess A. A. J. & Rodrigues O. NHLMC – HRDD, Ministry of Health/Ghana Health Service, Ghana 2003.

### **Parkins, Grace E. A.**

- George Armah: 'Tumours of the Midface'. GDJ June 2004; 4(1), 14-20.

### **Abdulai, A. E.,**

- Amponsah G., Baddoo H., Iddrisu M. I. Ankylosis of the mandible: Analyses of 35 cases treated at Korle-Bu Teaching Hospital, Accra, Ghana. GMJ 2004; 38: 8-14.

### **Abdulai, A. E.**

Iddrisu M I., Gyasi R. K. Fibro-osseous Lesions of the Facial Skeleton: Analysis of 52 cases. Accepted for September, 2004, Vol. 38 edition of the Ghana Medical Journal.

### **Abdulai, A. E.**

- Avogo D. Traumatic Hemiation of the Buccal Fat Pad: A case report. Accepted for September, 2004, Vol. 38, No. 3 edition of the Ghana Medical Journal.

## **Conference/Seminars/Workshops**

### **Parkins, Grace E. A.**

- Annual Scientific Conference of West African College of Surgeons. 22nd - 29th February, 2004 Banjul, The Gambia.

### **Parkins, Grace E. A.,**

- Bi-Annual Scientific Meeting of Surgical Research Society of Ghana. 29th May, 2004. Accra, Ghana. **Paper read:** "Infections in Maxillofacial Surgery"

### **Parkins, Grace E A.**

- Association for the study of Osteosynthesis (AO) Regional Course in Cranio-Maxillofacial Fixation. 3rd – 6th September, 2004 Dubai, United Arab Emirates.

# ORAL PATHOLOGY/ORAL MEDICINE DEPARTMENT

## Overview

The department ran three (3) different programmes for 3 different year groups ie. BDS Final Parts I, II & III.

## Courses

BDS Final Part I: Introduction to Clinical Investigations, Oral Biology, Oral Pathology, Oral Diagnosis.

BDS Final Part II: Human Disease:

- Medicine/Surgery Program in Collaboration with Depts. of Medicine and Surgery.
- Review of Basic Immunology.
- Medical Emergencies in the Dental Chair.
- Co-ordinated Course in Oral Diagnosis – inclusive of Oral Pathology, Oral Medicine and Oral Radiology.
- Clinical with supervision.

BDS Final Part III: Continuation – Oral Diagnosis and Clinical Scenarios

- Clinicals continued – Oral Pathology/Oral Medicine.

## Students

Level	NO. of Students
BDS Final Part I	15
BDS Final Part II	14
BDS Final Part III	13
<b>Total</b>	<b>42</b>

## Staffing Position

- 1 Associate Professor
- 1 Lecturer

## Research Projects

The department won a TALIF grant to look into the “Sensitivity of selected symptoms in the Early diagnosis of HIV infection”. The project is expected to start before the end of the year.

The educational aspect of the project involves sensitizing practicing Dental Surgeon to the early diagnosis of HIV and also current trends in the disease

management. So far, we have in collaboration with Ghana Aids Commission and support from the Ghana College of Physician and Surgeons organized a successful CME for 60 Dental Surgeons in Accra. Plans are afoot to repeat the programme in Kumasi soon.

### **Publications**

- Newman Merley A., **Nartey N. O.**: Prevalence of Malocclusion and Occlusal Anomalies in Ghanaian Orthodontic Patients – Ghana Dental Journal, June, 2004.
- Nyako, E. A., **Nartey N. O.**: An Unusual Presentation of an Osteogenic Sarcoma of the Maxilla – Ghana Dental Journal, June, 2004.
- **Kwamin F.**: The Role of the Dental Surgeon in the Early Diagnosis of HIV Infection; Ghana Dental Journal; 12/03/04, Accra, Ghana.
- **Kwamin F.**: The Ghanaian Dental Surgeon and HIV Management – Ghana Dental Journal, June, 2004, Accra, Ghana.

### **Conferences/Seminars Attended by Staff**

- 1st Annual Scientific Conference – UGMS on Research and Medical Practice – 12th–14th May, 2004.
- CME – Dental Practitioners, Main Speaker – Role of Dental Surgeons in Early Diagnosis of HIV, Accra, 27th October, 2004.
- Africa Heart Network – Annual Congress: Cardiovascular Disease Profile in Africa – 13th–22nd October, 2004.
- As Vice President of the Ghana Society of Hypertension and Cardiology, chaired the Organizing Committee to organize this years “World Heart Day” Celebration with the Theme – Children, Adolescents and Heart Disease – 6th November, 2004.
- Presentation – Periodontal Changes in Hypertension Patients (Ghana Postgraduate, Accra – Ghana)
- Association of Orthodontist (Orlando, Florida).

### **Benefactions**

- Ghana Aids Commission - Sponsored a seminar on The Role of Dental Surgeons in Early Diagnosis of HIV – Accra, 27th October, 2004.
- Ministry of Health - Sponsored a lecture on The Role of Dental Surgeons in Early Diagnosis of HIV – Kumasi, 24th November, 2004.

# DEPARTMENT OF ORTHODONTICS AND PAEDODONTICS

## Overview

Staffing has been quite inadequate for the past two years because the two registrars had to leave for postgraduate training but one of them returned last week and is ready to take up the position as lecturer.

The facilities are just about adequate for the clinical students that we have now. The new dental school building however is expected to be completed and equipped by the end of this year. There are therefore plans to convert some of the old clinics to a day case area so that students may be exposed to dental procedures performed under general anaesthesia.

A mobile dental clinic was donated to the school by Rotary international and a vehicle to pull it along was donated by WHO Ghana. This has enabled the department to extend its outreach services to children beyond its immediate environs.

## Courses Offered

- Ortho/Pedo I : Introduction to Orthodontics and Paedodontics
- Ortho/Pedo II : Laboratory techniques
- Ortho/Pedo III: Clinical experience

## Student Numbers

Level 500	-	15
Level 600	-	13
Level 700	-	13
Total		<b>41</b>

## Staffing Position

1 Lecturer

Two of the department's who will complete their postgraduate programmes soon, expected to take up faculty positions to improve on the staffing position.

## Research Projects

- The incidence of the maxillary midline diastema and its management
- The pattern of impacted teeth in Ghanaian orthodontic patients
- The Korle-Bu retractor
- A Cephalometric analysis of the Ghanaian face

## Publications

- Nartey N. O., **Newman M. A.**, Nyako, E. A, Bruce I: *The Pattern of Impacted Teeth in Orthodontic Patients*. *Ghana Dent J* 2003; 2:14–18
- **Newman, M. A.**, Nartey, N. O.: *Prevalence of Malocclusion and Occlusal Anomalies in Ghanaian Orthodontic Patients*. *Ghana Dent J* 2004; 4:9–12
- **Newman, M. A.**, Nartey N. O., Nyarko E. A: *Van Der Woude's Syndrome: Report of a Case*. *Ghana Medical Journal* (Submitted)
- **Newman, M. A.**, Nartey, N. O.: *Surgical and Orthodontic Management of impacted teeth associated with Odontoma*. *JClin Pediatr Dent* (Submitted)

## Conferences

- 12th Annual Congress of the Ghana Dental Association, 2003, Kumasi, GHANA.
- 104th Annual conference of the American Association of Orthodontists Orlando, May 1–5, 2004, USA.
- 13th Annual Congress of the Ghana Dental Association, 2004 Accra, GHANA.

## Benefactions

- Rotary Club international – Mobile dental clinic
- Dr. Zenaïda Cofie- Dental disposables and brackets
- Dr. Norvishie Arkutu- Radiographic film and books

## DEPARTMENT OF RESTORATIVE DENTISTRY

### Overview

The Restorative Dentistry Department of the University of Ghana Dental School comprises of sub-specialty areas:

Conservative Dentistry

Endodontics

Prosthetic Dentistry – Removable Prosthodontics  
– Fixed Prosthodontics

It is therefore, the largest component of the clinical program of the Dental School and is supported by the dental laboratory section in the teaching of dental students in prosthetic techniques and fabrication of dental appliances and prostheses.

The department is involved in the teaching of undergraduates in the BDS degree program and also in the clinical rotation training programs of the Postgraduates Residents of the West African Post-graduate Medical College, and also the online (MClinDent degree) candidates of the Kings College/Guys Hosp/London.

### Summary of Student

	<b>Numbers</b>
Level 500 ( 1st Clinical Year Class )	15
Level 600	14
Level 700	13
<b>Total</b>	<b>42</b>

Postgraduate (MClin Dent) 3

### Summary of Staffing Position

Lecturers: (Full-time)	1
Lecturers: (part-time)	2
Teaching Assistants	2
Senior Staff	2
Junior Staff	3

### Publications

- **Nyako, E. A.**, Nartey, N. O.: An unusual presentation of an osteogenic sarcoma of the maxilla: A case report; Ghana Dental Journal, Vol. 4 (1), July, 2004.
- Fasola, A. O., **Nyako, E. A.**, Obiechina, A. E., Arotiba, J. T.: Trends in the characteristics of maxillofacial fractures in Nigerians; American Journal of Oral and Maxillofacial Surgery; 61: 1140-1143, 2003.
- Newman, M. Nartey, N. O, **Nyako, E. A.**: The pattern of impacted permanent teeth in orthodontic patients; Ghana Dental Journal; Vol.3, 2, June, 2003.
- **Nyako, E. A.**: General problems of Oral and Maxillofacial Surgery in Ghana and its future (Editorial Commentary); Ghana Medical Journal, Vol 38: 1-2, 2003.

### Conferences and Seminars

- Annual Conference of the Ghana Dental Association, Miklin Hotel, Accra, June, 2004.
- Annual Conference of the West African College of Surgeons, Banjul, Gambia January, 2004.

### Papers/ posters presented at Conferences and Seminars

- Smith, C. S., Nyako, E. A., Preston, A. J., Wastson, C. J., and Dave, J.: Can the use of a microbial screen of dental implant predict implant failure?; ECCMID 2004, Poster presentation

### Benefactions

Rotary Club Ghana  
Latter Day Saints

# UNIVERSITY OF GHANA MEDICAL SCHOOL

## DEPARTMENT OF ANAESTHESIA

### Overview

The 2002/2003 Academic year was relatively uneventful. The workload of senior members continues to be high.

### Staffing

The academic staff complement is six:

- |    |                      |   |  |
|----|----------------------|---|--|
| 1. | Dr. Henry Baddoo     | - | Senior Lecturer and Head of Department |
| 2. | Prof. Yaw Adu-Gyamfi | - | Full Professor                         |
| 3. | Dr. Gladys Amponsah  | - | Senior Lecturer                        |
| 4. | Dr. Frank Boni       | - | Lecturer                               |
| 5. | Dr. Eugenia Lamptey  | - | Lecturer                               |
| 6. | Dr. Ernest Aniteye   | - | Lecturer                               |

### Course

The Department gives 5 week courses in Anaesthesia to medical students in their final year. The students come to the Department a group at a time. Each group is made up of approximately 10 students. Senior members in the Department also give tutorials/lectures to doctors undergoing postgraduate training in Anaesthesia. These doctors are preparing towards the Diploma and Fellowship exams of the West African College of Surgeons.

### Student numbers

Undergraduate MBChB Final Part II	-	88
Diploma (WACS)	-	12
Primary (WACS)	-	6
Part I (WACS)	-	6
Part II (WACS)	-	3

### Clinical Workload

The average number of operations per month for each discipline for which anaesthesia was provided by the Department was as follows:

i) Obstetrics	313	per month
ii) Gynaecology	107	"
iii) Orthopedics	158	"
iv) Paediatric surgery	56	"
v) General surgery	257	"
vi) Faciomaxillary surgery	7	"
vii) Plastic surgery	91	"
viii) Ear Nose and Throat surgery	43	"
ix) Eye surgery (mainly local anaesthesia)	22	"
x) Neurosurgery	24	"
xi) Cardiothoracic surgery	24	"
xii) Genitourinary surgery	<u>32</u>	"

**Total** **1134** **per month**

## Publications

### Prof. Y. Adu-Gyamfi

- Submitted to the Ghana Medical Journal.  
Title: "Use of Midazolam for conscious sedation in upper gastrointestinal endoscopy".  
Authors: E. Aniteye, H. Aduful, N. Adu Aryee, D. Kotei, **Y. Adu-Gyamfi**
- Title: "Acute normovolaemic haemodilution for gynaecological surgery"  
Authors: E. Aniteye, D. Kotei, **Y. Adu-Gyamfi**, S. Obed, F. Peterson
- Submitted to East African Medical Journal.  
Title: "The efficacy of pre operative erythropoietin therapy".  
Authors: E. Aniteye, L. Sereboe, D. Kotei, K. Frempong-Boateng, **Y. Adu-Gyamfi**

### Dr. G. Amponsah

- Title: "Ankylosis of the mandible: Analysis of 35 cases seen at Korle Bu Teaching Hospital"  
Authors: A. E. Abdulai, **G. Amponsah**, H. Baddoo, M. I. Iddrisu
- Ghana Medical Journal, March, 2004 Vol 38; No 1  
Title: "Peri operative Cardiac Monitoring"  
Author: Gladys Amponsah
- Africa Journal of Anaesthesia and Intensive Care. Vol 4; No2, May, 2003  
(Actually published early 2004)

### Dr. H. Baddoo

- Title: "Ankylosis of the mandible: Analysis of 35 cases seen at Korle Bu Teaching Hospital"  
Authors: A. E. Abdulai, G. Amponsah, **H. Baddoo**, M. I. Iddrisu
- Ghana Medical Journal, March 2004 Vol 38; No 1

### **Dr. E. Lamptey**

- Contributed to chapters 2, 3 and 9 of "Management of Accident and Emergency: A manual for frontline providers."

### **Dr. E. Aniteye**

- Submitted to Ghana Medical Journal  
Title: Acute Normovolaemic haemodilution for gynaecological surgery.  
Authors: **E. Aniteye**, D. Kotei, Y. Adu-Gyamfi, S. Obed, F. Peterson.
- Title: "Use of midazolam for conscious sedation in upper gastrointestinal endoscopy"  
Authors **E. Aniteye**, H. Aduful, N. Adu-Aryee, D. Kotei, Y. Adu-Gyamfi
- Submitted to East African Medical Journal  
Title: "The efficacy of pre operative erythropoietin therapy.  
Authors: **E Aniteye**, L. Sereboe, D Kotei, K. Frimpong-Boateng, Y. Adu-Gyamfi
- Revising two chapters (15 and 57) in "Principles and Practice of Surgery, including Pathology in the tropics Edited by Badoe, Archeampong and Jaja.

## **Research Interests**

### **Prof. Adu-Gyamfi**

- Management of acute and chronic pain
- Eclampsia
- Obstetric epidural analgesia

### **Dr. Gladys Amponsah**

Research project on peri operative nausea and vomiting in progress.

### **Dr. H. Baddoo**

- Use of Ropivacaine for lower limb regional block
- Hyperpyrexia after cardiopulmonary bypass surgery

### **Dr. F. Boni**

- Spinal anaesthesia in obstetrics
- Neonatal and adult resuscitation
- Anaesthetic equipment use and maintenance
- Critical care management of the obstetric patient

### **Dr. E. Aniteye**

- Anaesthesia for Jehovah's Witnesses
- Hyperpyrexia after cardiopulmonary bypass surgery
- Blood conservation in surgery and intensive care
- Anaesthesia for thymectomy in myasthenia gravis

## **Conferences/Seminars/Workshops**

### **Prof. Adu-Gyamfi**

- Obstetrics Anaesthetists Association meeting in Versaille, France, 15th-16th April, 2004.

- World Congress of Anaesthesiologists, Paris, France 17th–23rd April, 2004.
- Resource person for refresher course on Clinical measurement, Instrumentation and Statistics, organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. February 16th–20th, 2004, Korle Bu Teaching Hospital.

**Lectures** Biomedical Signals I & II

- Ghana Medical Association Symposium, "Changing lifestyle and disease" Accra, September 22nd–23rd, 2004.

**Dr. (Mrs.) Gladys Amponsah**

- West African College of Surgeon (WACS) annual scientific conference in Banjul, the Gambia, 22nd–29th February, 2004.

Papers read

- i) Allergic reactions in anaesthesia
  - ii) Iatrogenic complications in Anaesthesia
- Ghana Anaesthetists Society (GAS) Scientific Conference, Accra, March, 2004.
  - 1st Annual Scientific Conference of the University of Ghana Medical School May, 2004.

Chaired one of the plenary sessions.

- International Interactive workshop on reconstructive surgery of the lower urinary and genital tract. Accra 29th September–2nd October, 2003.
- Course co-ordinator for course on Clinical measurement, Instrumentation and Statistics organized on behalf of faculty of Anaesthesia, West African College of Surgeons, 16th–20th February, 2004 at Korle Bu Teaching Hospital.

Lectures given:

- i) Humidity
- ii) Respiratory function monitoring

**Dr. H. Baddoo**

- 13th World Congress of Anaesthesiologists Paris, France, April 17th–24th, 2004.
- Resource person for Refresher Course on Clinical Measurement, Instrumentation and Statistics organized on behalf of Faculty of Anaesthesia, West African College of Surgeons, February 16th–20th, 2004, Korle Bu Teaching Hospital, Accra

Lectures given:

- i) Measurement of cardiac output
  - ii) Arterial blood gas analysis
- 1st Annual Scientific Conference of the University of Ghana Medical School, May, 2004.

Read paper on the Anaesthetic management of the multi-traumatised patient.

- Ghana Medical Association Symposium on Diseases of the Respiratory Tract. June 11, 2004, Accra.

Read paper on Acute Respiratory Distress Syndrome.

### **Dr. F. Boni**

- Annual Conference of the West African College of Surgeons in Banjul, The Gambia 22nd–29th February, 2004.  
Presented papers on:
  - i) Complications due to regional anaesthesia
  - ii) The search for the ideal Anaesthetic Machine
- Resource person for refresher course on Clinical measurement, Instrumentation and Statistics organized on behalf of Faculty of Anaesthesia, West African College of Surgeons February 16th–20th, 2004, Korle Bu Teaching Hospital, Accra.  
Lectures given
  - i) Neuromuscular monitoring
  - ii) Intracranial pressure monitoring
  - iii) Monitoring the depth of Anaesthesia
- Obstetric Anaesthetists Association meeting in Versailles, France, 15th–16th April, 2004.
- World Congress of Anaesthesiologist 17th–23rd April, 2004, Paris, France

### **Dr. E. Lamptey**

- Annual conference of the West African College of Surgeons, Banjul, the Gambia 22nd–29th February 2004.
- Resource person for refresher course on Clinical measurement, Instrumentation and Statistics organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. February 16th–20th, 2004, Korle Bu Teaching Hospital, Accra.  
Lectures given
  - i) Temperature measurement
  - ii) Theatre Safety

### **Dr. E Aniteye**

- Observational study at the University of Southern California, Los Angeles County Hospital (Emergency Medicine) 10th October–10th November, 2003.
- Resource person for refresher course on Clinical measurement, Instrumentation and Statistics, organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. February 16th–20th, 2004, Korle Bu Teaching Hospital, Accra.  
Lectures given
  - i) Central venous pressure monitoring
  - ii) Blood pressure measurement-invasive and non-invasive
  - iii) Measurement of pulmonary artery wedge pressure and derived parameters.
- Participant at Workshop on operating manual for Nurse Anaesthetists, March 9th–12th, 2004, Kumasi.
- World Congress of Anaesthesiologists Paris, France, 17th–23rd April, 2004.

### **Extension Services**

Prof. Y. Adu-Gyamfi is currently the President of the Ghana Medical Association. He is also a member of the Civil Service Council, National Population Council,

Ghana Aids Commission and Board member, Nationwide Mutual Healthcare.

Dr. E. Lamptey provided specialist outreach services to Nkwanta District Hospital, Cape Coast Regional Hospital and Effia Nkwanta Regional Hospital during the year. Dr. Lamptey served as a member of the curriculum review committee and chairman of the interviewing panel for the Ghana Ambulance service. She is also a member of the disaster management committee of the Korle Bu Teaching Hospital.

Dr. Aniteye is a member of the Drugs and Therapeutics Committee of the Korle Bu Teaching Hospital. Dr. Aniteye was also an examiner for the practicals for the Critical Care Nursing course (September, 2004).

### **Benefactions**

Ghana Telecom donated eleven million six hundred thousand cedis to the Department which was used to purchase 2 Ambu Baby resuscitation manikins.

## **DEPARTMENT OF ANATOMY**

### **Overview**

During the year under review, the Department functioned satisfactorily in the areas of teaching, research and extension activities. The acquisition of a broadband internet facility greatly enhanced our research activities. At the end of the academic year, Rev. Prof. A. S. Ayettey, Provost of the College of Health Sciences, and an anatomist, retired after twenty-six years of fruitful service to the Department and the University at large. Other retired staff are Mr. Edward O. Mensah, a messenger, and Mr. Jacob Otoo, a mortuary-man.

### **Courses**

The Department offered courses at the following levels:

<b>Courses Offered</b>	<b>Number of Students</b>
BSC Medical Sciences (Level 300)	134
BSC Physiotherapy (Level 200)	30
BSC Radiography (Level 200)	21
BSC Medical Lab Technology (Level 200)	27
M. Phil)	1
West African College of Surgeons (Primaries)	5

## Staffing Position

Staffing position improved during the year under review with the appointment of three new lecturers.

### Academic Staff (9) CADEMIC STAFF (9)

Academic/Research staff

Rev. Prof. A. S. Ayettey	-	Professor (Provost, C.H.S)
Prof. C. N. B. Tagoe	-	Professor (Dean, U.G.M.S)
Prof. A. L. Lawson	-	Assoc. Professor and Head
Prof. F. K. Addai	-	Senior Lecturer
Dr. (Mrs) Esther E. Dennis	-	Senior Lecturer
Prof. F. N. L. Engmann	-	Assoc. Professor (On contract)
Kevin Adutwum-Ofosu	-	Lecturer
Saviour Adjenti	-	Lecturer
John Ahenkorah	-	Lecturer

### Senior Staff (5)

Mr. J. F. Bart-Plange	-	Superintendent Technologist (Contract)
Mr. I. P. Odoi	-	“ “ “ “
Mr. Edmund Mensah	-	Technician (Vacated Post)
Mr. Samuel Mensah	-	Technician
Mr. Andrew Mingle	-	Technician (Resigned)

### Junior Staff (2)

Mrs. Magdalene Ennin	-	Senior Clerk
Mr. Edward Mensah	-	Messenger (retired in September 2004)

### Mortuary-men(10)

Mr. Stephen B. Azanduna		
Mr. Salifu Nanchala		
Mr. Ibrahim Bukari	-	(Died 24th June, 2004)
Mr. Jacob Otoo	-	(Retired - September, 2004)
Mr. Amidu Abu		
Mr. Amidu Issah		
Mr. Amidu Nasare		
Mr. Emmanuel Tetteh Adams		
Mr. Issifu Nanchala		

### Research

- Comparative ultra structure of mammalian cardiac cells.
- Studies on Mechanisms of early embryonic development - gastrulation and Neurulation.
- Comparative Study of the structure and function of the placenta.
- Differential embryotoxicity of enantiomeric drugs.

## **Publications**

- Lawson, A, S. Lewin and G. C. Schoenwolf  
Neural Tube. Human development and Malformations. Evolutionary, Genetic, and Morphogenetic perspectives. Eds., J. Opitz, G. Neri and S. Lewin. John Wiley and Sons. New York. In press.
- Lopex-Sanchez, C., V. Garcia-Mortinez, A. Lawson, S. C. Chanpman and G. C. Schoenwolf 2004. Rapid triple-labeling method combining in situ hybridization and double immunocytochemistry. *Developmental Dynamics*, 230:309–315.

## **Published Abstracts**

- Addai F. K., Nuamah, I. K. (2003a) Saliva pH responses to *Garcinia manii* stick chewing after a meal of Ga kenkey and fish. Programme and Book of Abstracts, 23rd Biennial Conference of Ghana Science Association, pp. 34–35.
- Addai, F. K, Nuamah, I. K (2003 b) Saliva pH responses to *Garcinia manii* stick chewing after a meal of fried ripened plantain and beans stew ('Red-Red'). Programme and Book of Abstracts, 23rd Biennial Conference of Ghana Science Association, pp. 41–42.
- Addai, F.K., Hsenson M. C (2004). In situ changes of mitochondria in living Cultured human trophoblast cells during syncytial formation. Abstract Booklet, 1st Annual Scientific of UGMS pg. 34.
- Addai F. K (2003) Stick Chewing – Scientific Reasons Why the Age-old practice is highly recommendable. *Ghana Health Digest* Vol. 3 (3), 35–38.

## **Conferences/Workshops/Seminars**

### **Prof. C. N. B. Tagoe**

- Association for Medical Education in Europe Conference 2003 Aug 31–Sept 3, 2003, Faculty of Medicine, University of Bern, Switzerland.
- 7th Annual Meeting of the International Association of Medical Science Educators, July 19th–22nd, 2003, Georgetown, University School of Medicine, Washington DC, USA.
- Strategic Planning Workshop, UGMS at Swedru, 12th–15th November, 2003
- First Annual Scientific Conference of the University of Ghana Medical School 12th–14th May, 2004.

### **Prof. A.L. Lawson**

- Strategic Planning Workshop, UGMS at Swedru, 12th–15th November, 2003.

### **Prof. F.K. Addai**

- 23rd Biennial Conference of Ghana Science Association, Kwame Nkrumah University of Science and Technology, Kumasi, 4–7 August, 2003.
- Anatomical Pathology Curriculum Validation Workshop. Kingsby Hotel, Achimota, Accra. 12–14 May, 2004.
- 2004 Science and Technology Week of the Ghana Association of Science

Teachers (CAST) at the GNAT hall, Accra, 20th February, 2004. (Delivered fraternal message as the Honorary National President of the Ghana Science Association).

- 7th Biennial Workshop of the Ghana Science Association, University of Cape Coast, Cape Coast, 7–9 July, 2004. Theme: The Plastic Waste Menace, (Delivered Welcome Address as the Honorary National President of the Ghana Science Association).
- First Annual Scientific Conference of the University of Ghana Medical School, La Palm Royal Hotel, Accra 12–14 May, 2004 (Member of the Organising Committee of this ground-breaking and highly successful conference).
- 9th Science, Technology, and Mathematics Education (STME) Clinic for girls at Accra Girls Secondary School, August 16th, 2004. (Delivered Goodwill message as Honorary National President of the Ghana Science Association).
- 46th Annual Conference of the Ghana Association of Science Teachers (CAST) Presbyterian Secondary School, Accra, August 30–September 4, 2004. (Delivered a speech as Chairman of the session at which the Keynote Address was delivered).
- 3rd quarterly seminar (2004) of the Cocoa Research Institute of Ghana (CRIG) branch of Ghana Science Association, Akim Tafo, August 2, 2004. (Delivered a presentation titled 'Golden Health from the Golden Tree').
- Strategic Planning Workshop, UGMS at Swedru, 12th–15th November, 2003

#### **Dr. (Mrs) Esther Dennis**

- 1st Annual Scientific Conference of the University of Ghana Medical School. 12–14th May, 2004, Accra
- Ghana Science Association workshop on plastic waste menace 7–9th July, 2004, University of Cape Coast.

#### **Extension Work**

- Profs Tagoe and Lawson acted as External Examiners in Anatomy at the Primary Fellowship Examinations of the West African College of Surgeons in October, 2003 and April, 2004.
- Prof. Lawson and Prof. Addai are Editor and Assistant Editor, respectively, for the West African Journal of Anatomy.
- The Department hosted the Ghana edition of the WACS Primary Examinations in October, 2003 and April, 2004.

#### **Prof. F.K. Addai**

- Honorary National President, Ghana Science Association.
- Course Director for Anatomy, in the Department of Medical Laboratory Sciences, School of Allied Health Sciences.
- Chairman Editorial Board of Ghana Health Digest.
- Visiting Associate Professor of Embryology, School of Medical Sciences, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, February / March, 2004.

# DEPARTMENT OF CHEMICAL PATHOLOGY

## Overview

We are greatly involved in teaching, research and offering services to patients at Korle-Bu Teaching Hospital.

One M.Phil student, Miss Vida Ofei has just completed her programme of studies.

Three of our senior members, Mr. Seth Amanquah, Mr. Ofori Mensah and Mr. Henry Asare Anane are currently doing their Ph.D programs. Their success would greatly impact positively in the department's effort to develop its academic and research base.

## Staffing Position

Academic/Research Staff	4
Senior Staff	6
Junior Staff	2

## Courses Taught/No. of Students

Level 200 (BSc-Medical Laboratory Science)	-	27
Level 300 (BSc -Medical Laboratory Science)	-	24
Level 400 (BSc -Medical Laboratory Science)	-	4
Level 400 (Medical Science)	-	128
M.Phil	-	1

Department of Chemical Pathology also offers Postgraduate training- Residency training in Laboratory Medicine and Pathology. Four of such students rotated through the department this year. Residents in internal medicine also pass through the department of Chemical Pathology as part of their training.

## Research Activities

- Assessment and Evaluation of Blood Glucose Monitoring Devices: A comparison with laboratory based plasma glucose measurement
- Tumour marker research using PSA as a Tumour marker
- A measure of exocrine pancreatic insufficiency in Ghanaian diabetics.
- Antioxidant Status of some Sickle Cell patients of the Korle-Bu Teaching Hospital.

## Publications

There have been 2 publications from the department.

- Serum Immunoglobulin (IgG, IgA and IgM levels in Adult Ghanaians (GMJ June 2003 Vol. 37 2).

- Faecal pancreatic elastase 1– a non invasive measure of exocrine pancreatic function (accepted for publication in WAJM).

### **Conferences/Seminars workshop**

- Capacity building workshop (4–10 May, 2003).
- Medical Science Seminar May 17, 2003, Elmina Beach Resort.
- 55 Annual Meeting and Clinical Lab. Exposition for Clinical Chemistry in Philadelphia and Pennsylvania – USA (July 20-24th, 2003) – David Dosoo.  
Abstract: Lactose Breath Hydrogen test in apparently health Ghanaian Subjects (Clinical Chemistry Vo. 49 No. 6 supplement 2003).

### **Other Activities**

The department has been involved in the School of Allied Health Science BSc. and Nursing programmes. It also has responsibility in the basic science department of the Medical School.

### **Conclusion**

The department has a difficulty in attracting technician and technologist, without whom the teaching and research efforts would be negatively impacted. There is therefore the need to address this problem.

## **DEPARTMENT OF CHILD HEALTH**

### **Overview**

The year under review was a very challenging one for the department with an increased number of students, continued heavy clinic workload, ongoing research activities and also postgraduate teaching. Some members continued to serve on many committees for the Medical School, the College of Health Sciences and the University of Ghana.

They also carried out extension services to Korle Bu Teaching Hospital, the Ghana Health Service, the Ministry of Health, the West African College of Physicians and the new Ghana College of Physicians and Surgeons.

### **Courses Taught**

		<b>Student Number</b>
1.	MB ChB Final Part I	64
2.	Postgraduate Residency Programme	13

## Staffing Position

Professors	-	3 (2 on contract)
Senior Lecturers	-	4 (1 part-time)
Lecturers	-	3
Senior Staff	-	3
Junior Staff	-	3

## Research/Projects

- Malaria
- Burkitts Tumor Chemotherapy
- Bacterial Meningitis Surveillance
- Adverse Events Following Immunization
- Sickle Cell Disease
- Motor Development and Anaemia in 2 cultures: Ghana and China.

## Prof. J.O. Oliver-Commey

### Publication

- Clinical Audit of Management of Asthma in Children at Korle Bu Teaching Hospital. B. Q. Goka, I. F. A. Hesse, J. O. Oliver-Commey. Ghana Medical J. 2003, 37; 122 – 127.
- Darko, R., Rodrigues O. P., Oliver-Commey, J. O., Kotei, C. N. Gallstones in Ghanaian Children with Sickle Cell Disease. West Afr. J. Med. (In Press).

### Courses/Seminars/Workshops Attended

- 1st Annual Scientific Meeting of University of Ghana Medical School.  
Venue: La Palm Royal Beach Hotel, Accra  
Date: May, 2004
- Continuing Medical Education Programme of the Ghana Medical Association as a Chairman of a symposium and as a Lecturer on “Acute Lower Respiratory Infections in Children”.

## Prof. Janet Neequaye

### Publication

- Comparison of Chloroquine with Quinimax in the treatment of Cerebral Malaria in Ghanaian Children. Goka, B., Rodrigues, O., Adjei, G. O., Akanmori, B. D., Kurtzhals, J. A. L., Neequaye, J.: Ghana Medical Journal 2003.

### Conferences/Seminars/Workshops Attended

- 1st Annual Scientific Meeting of University of Ghana Medical School. Presented paper on “Prevention of Kernicterus”.  
Venue: La Palm Royal Beach Hotel, Accra  
Date: May, 2004

## **Dr. Onike Rodrigues**

### **Publications**

- Goka, B. Q., Rodrigues, O. P., Adjei, G. O., Quarshie, B., Akanmori, B. D., Kurtzhals, J. A. L., Neequaye, J.: Comparison of Chloroquine with Quinimax ® in the Treatment of Cerebral Malaria in Ghanaian Children. *Ghana Medical Journal* 2003; 37 (3); 110–116.
- Adjei, A. A., Armah, H., Rodrigues, O., Renner, L., Borketey, P., Ayeh-Kumi, P., Adiku, T., Sifah, E., Lartey, M.: *Cryptosporidium* spp, a frequent cause of diarrhoea among children at the Korle Bu Teaching Hospital, Accra, Ghana. *Japanese Journal of Infectious Diseases* 2004; 57: 216–219.
- Darko, R., Rodrigues, O., Oliver-Commey, J. O. O. and Kotei, C.: Gall Stones in Ghanaian Children with Sickle Cell Disease". (Accepted for Publication, *West African Journal of Medicine* 2004).
- Rodrigues, O. Chapter 7, Paediatric Emergencies pp.351–429. In "Management of Accidents and Emergencies: A manual for Frontline Providers" edited by Hesse IFA, Adadevoh, S. W. K., Bannerman, C., Hesse, A. A. J., and Rodrigues, O. NHLMC – HRDD/Ministry of Health/Ghana Health Service, Ghana, 2003.

### **Courses/Seminars/Workshops Attended**

- Seminar on "Nephrology for Primary Health Care Providers" organized by the International Society for Nephrology, Accra, Ghana.  
Venue: La Palm Royal Beach Hotel, Participant  
Date: 6th December, 2004.
- International Institute of Medical Education (IIME) Student-Level Standard-Setting Committee Meeting. Committee Member  
Venue: White Plains, New York, USA.  
Date: 8th – 10th February, 2004.
- Integrated Management of Childhood Illnesses – Abridged Training Workshop.  
Venue: Ghana Medical Association House, Accra  
Date: March, 2004.
- West African college of Physicians – 27th Annual General & Scientific Meeting.  
Venue: GIMPA, Legon, Accra.  
Date: November, 2004.
- University of Ghana Medical Students' Association 3rd Annual Lecture Programme. Speaker – Topic "Malnutrition in Children".  
Venue: GNAT Hall, Accra, Ghana.  
Date: 24th March, 2004.
- University of Ghana Medical School, 1st Annual Scientific Conference. Poster presentations:
  - "Morbidity in Ghanaian Children with Sickle Cell Disease" - O. Rodrigues, C. Enweronu Laryea and E. Sifah.
  - Bacterial Isolates in Ghanaian Children under 5 Years Old with Acute Lower Respiratory Infections (ALRI)" - O. Rodrigues, T. Adiku, G. Armah, B. Goka and N. Ishiwada.Venue: La Palm Royal Beach Hotel, Accra, Ghana.  
Date: 12th – 14th May, 2004.

- Ghana Medical Association Continuing Professional Development Programme National symposium. Speaker – Topic “Acute Upper Respiratory Tract Infections in Children”.  
Venue: GNAT Hall, Accra, Ghana.  
Date: 11th June, 2004.

### **Welbeck, J. E.**

#### **Publication**

- Antenatal Screening for syphilis in Accra. Is it Useful; Is it Worthwhile? AT Lassey, N. Damale, V. Bekoe, J. Welbeck, C. Klufio. Ghana Medical Journal 2004, Vol. 38, No. 1.
- Community Based Cluster Surveys on Treatment Preference for Diarrhoea, Severe Diarrhoea and Dysentery in Children aged less than 5 years in 2 districts in Ghana. R. B. Biritwum, A. Asante, P. Amoo, A. Gyekye, C. Amissah, K. Osei, Y. Appiah-Poku and J. Welbeck. Journal of Health Population and Nutrition. Vol. 22, No. 2, June 2004.

#### **Courses/Seminars/Workshops Attended**

- Facilitator at 6-day Abridged IMCI Course (Integrated Management of Childhood Illness) sponsored by World Health Organization.  
Venue: Ghana Medical Association (GMA) House, Accra  
Date: March, 2004.
- Participant at the 6th continental SIOP Meeting (International Society of Paediatric Oncology).  
Venue: Malawi.  
Date: 3rd – 5th May, 2004
- 1st Annual Scientific Meeting of the University of Ghana Medical School, Accra. Presented a paper “A 3 Year Review of Burkitt’s Lymphoma in Korle Bu”.  
Venue: La Palm Royal Beach Hotel, Accra  
Date: May, 2004.

### **Dr. Bamenla Goka**

#### **Publications**

- Goka, B. Q., Rodrigues, O. P., Adjei, G. O., Quarshie, B., Akanmori, B.D, Kurtzhals, J. A. L., Neequaye, J.: Comparison of Chloroquine with Quinimax® in the treatment of Cerebral Malaria in Ghanaian Children. Ghana Med. J. 2003, 37 (3): 110-116.
- Goka, B. Q., Hesse I. F. A., Oliver-Commey J. O.: Clinical audit of Management of Asthma in Children at Korle Bu Teaching Hospital. Ghana Med. J. 2003, 37 (3): 122-127.
- Garred, P., Nielsen, M. S., Kurtzhals, J. A., Malhotra, R., Madsen, H. O., Goka, B. Q., Akanmori, B. D., Sim, R. B., Hviid, L.: Mannose-binding lectin is a disease modifier in clinical malaria and may act as opsonin for plasmodium falciparum-infected erythrocytes. Infect. Immun. 2003, Sept. 71 (9): 5245-53. Erratum in: Infect. Immun. 2003, Nov. 71 (11): 6687.
- Nielsen M. A., Vestergaard L. S., Lusingu J., Kurtzhals J. A., Giha H. A., Grevstad B., Goka B. Q., Lemnge M. M, Jensen, J. B., Akanmori, B. D.,

Theader T. G., Staalsoe, T., Hviid, L.: Geographical and Temporal Conservation of Antibody Recognition of Plasmodium Falciparum Variant surface Antigens. Infect. Immun. 2004 June, 72 (6): 3531-5.

### **Courses/Seminars/Workshops Attended**

- West African College of Physicians – 27th Annual General & Scientific Meeting  
Venue: GIMPA, Legon, Accra  
Date: November, 2003.
- Training Workshop on Management of HIV/AIDS. Participant  
Organizers: Family Health International  
Venue: Coconut Grove Regency Hotel, Accra  
Date: 22nd March & 13th & 14th April, 2004.
- Training workshop on Integrated Management of Childhood Illness  
Venue: Ghana Medical Association House, Accra  
Date: March, 2004.  
Participant
- 1st Annual Scientific Conference, University of Ghana Medical School, presented - paper.  
Venue: La Palm Royal Beach Hotel.  
Date- 12th – 14th May, 2004.

### **Dr. Lorna Renner**

#### **Publications**

- Paediatric Phaeochromocytoma – A Case Report and Literature Review. Hesse A., Renner L., Onuoha C., Boateng J.,: Ghana Medical Journal. December 2003: 170-172.
- Adjei, A. A., Armah, H., Rodrigues, O., Renner, L., Borketey, P., Ayeh-Kumi, P., Adiku, T., Sifah, E., Lartey, M.: Cryptosporidium spp, a frequent cause of diarrhoea among children at the Korle Bu Teaching Hospital, Accra, Ghana. Japanese Journal of Infectious Diseases 2004; 57: 216-219.

### **Courses/Seminars/Workshops Attended**

- 6th Continental Meeting of SIOP in Africa.  
Papers presented
  - “Nurses” Knowledge about Childhood Cancer in Accra. Renner, L, Dakwa M. O.
  - “Factors contributing to delay in presentation of Childhood Cancers at Korle Bu Teaching Hospital”. Renner, L, Buadu, E.  
Venue: Malawi  
Date: 3rd – 5th May, 2004.
- 1st Annual Scientific Conference, University of Ghana Medical School, presented - paper.  
Venue: La Palm Royal Beach Hotel.  
Date: 12th – 14th May, 2004.
- Institutional Capacity Development Orientation Meeting organized by AWARE HIV/AIDS, USAID.  
Venue: Accra, Ghana  
Date : 26th – 30th July, 2004

- Short Course on Antiretroviral Therapy organized by the Institute of Tropical Medicine.  
Venue: Antwerp, Belgium  
Date: 16th August – 3rd Sept. 2004
- Program Development Workshop, NACP/FHI Comprehensive Care and Support Program on HIV/AIDS  
Venue: Jefkings Palace Hotel, Accra  
Date: 29th September – 1st October, 2004.

### **Dr. Christabel Enweronu-Laryea**

#### **Courses/Seminars/Workshops Attended**

- Integrated Management of Childhood Illnesses – Abridged Training Course  
Venue: Ghana Medical Association House, Accra  
Date: March, 2004.
- First Annual Scientific Conference, University of Ghana Medical School.  
Poster presentation on “Morbidity in Ghanaian Children with Sickle Cell Disease.”  
Venue: La Palm Royal Beach Hotel.  
Date: 12th – 14th May, 2004.

### **Dr. Eben Badoe**

#### **Courses/Seminars/Workshops Attended**

- Participant: Workshop on Proposal and Grant Writing.  
Venue: College of Health Sciences, Accra  
Date: October, 2003.
- BBC Documentary on Downs Syndrome – Speaker on “Management in Ghana”  
Participant – HIV Workshop (Diagnosis, Treatment and Management).  
Venue: Regency Hotel, Accra  
Date: 14th – 16th April, 2004.
- Speaker – 1st Annual Scientific Conference, University of Ghana Medical School.  
Paper Presented: “Causes of Central Nervous System Damage in Ghanaian Children.”  
Venue: La Palm Royal Beach Hotel  
Date: 13th May, 2004.
- West African College of Physicians – Ghana Chapter. Seminar “Update in Neurology” – Speaker on “Epilepsy, Neurodegenerative Disorders, Cerebral Palsy and Autism in Children.”  
Venue: Korle Bu, Accra  
Date: 21st – 22nd June, 2004.
- Hammersmith Hospital Imperial College, Participant – “Update in Neuromuscular Disorders in Children”.  
Venue: London, UK  
Date: 30th June – 2nd July, 2004.
- Second Workshop on KEWL, A Learning Management System Software towards E – Learning in the University of Ghana  
Venue: Legon, Accra  
Date: 13th July, 2004.

- Pharmacy House Officers Pre-registration Lectures – Speaker “The Common Disorders of Childhood and its Management.  
Korle Bu  
Venue: Korle Bu  
Date: 23rd July, 2004.
- World Health Organisation Training Course on “Children’s Health and the Environment”.  
Venue: Cancum, Mexico  
Date: 14th August, 2004.
- Ghana Representative - International Paediatrics Association (IPA) Congress.  
Venue: Cancum, Mexico  
Date: 15th – 20th August, 2004.
- Ghana Medical Association (GMA) Continuing Medical Education Programme for Southern Sector – Speaker “The Effect of the Environment on the Health of children”  
Venue: GNAT Hall, Accra  
Date: 10th September, 2004.
- Nestle Lecture – Main Speaker “Premature Infants – Are they fit for the Future?”  
Venue: Novotel, Accra.  
Date: October, 2004.

## **Benefactions**

Lisa Thaxther Foundation – Supplied drugs for the Burkitt’s Tumor Chemotherapy Trial.

## **Visitors to Department**

Prof. Peter Hesselting  
University of Stellenbosch  
Tygerberg  
South Africa

# **DEPARTMENT OF COMMUNITY HEALTH**

## **Overview**

The Department discharged its teaching activities in the undergraduate and postgraduate programmes satisfactorily relying heavily on part-time teachers. Table 1 provides summary of the programmes and the student’s numbers involved. Courses were provided in the University of Ghana Medical School, the School of

Allied Health Sciences and the School of Public Health. The goal of the department of community health is to train medical students to identify major problems affecting the health of communities and their solutions. In addition to the training of students, the Department provided clinical service at the Medical School Clinic and some staff members provided technical services to the Ministry of Health, Ghana Health Service as well as other national bodies.

### **Courses and Number of Students**

<b>Courses</b>	<b>Title</b>	<b>Number of Students</b>
<b>Ghana Medical School</b>		
1st Clinical Year	Junior clerkship and MB III	103
	Co-ordinated course in Medicine and Surgery	103
3rd Clinical Year	Senior clerkship in Community Health	76
<b>Postgraduate programme</b>		
Primary	West African College of Physician (WACP)	5
Part I	West African College of Physician (WACP)	4
<b>School of Public Health</b>		
	Epidemiology	
	Behavioural Science	
<b>School of Allied Health Sciences</b>		
Level 200	Elementary Statistics	
	Biostatistics and Research Methods for Mphil dietetics	

### **Summary of Courses offered**

#### **Junior Clerkship and MB III Course**

To study of a normal community involving demographic, economic, social, and environmental factors as well as health problems and programmes.

Scientific basis of community health and health programmes. Involving Ecology, Demography, Epidemiology, Statistics, Environmental health, behaviour sciences, physical environment, Occupational Health and Health education. Reproductive and Child Health and Family Planning (RCH/FP), Nutrition, Social Welfare services, Community Development). Health Policy, Planning Administration and Management.

(10 weeks).

## **Co-ordinated Course in Medicine and Surgery**

The Department is assigned topics to cover the epidemiology and control of specific diseases (joint teaching of diseases by systems), e.g. epidemiology and management of food poisoning, epidemiology of cerebrospinal meningitis, epidemiology of diarrhoeal diseases and malaria.

## **Senior Clerkship in Obstetrics and Gynaecology**

Additional topics in Community health programmes, disaster management, International Health, population and report writing.

(1 hour a week \* 6 months Thursday 8-9)

## **Senior Clerkship in Community Health (Sub-Internship)**

Study of urban health system, Ankaful leprosarium programme, District Clerkship, Community Diagnosis at Danfa rural area, and Field visits to major public health structures and infrastructure/ institutions.

(10 weeks rotation for subgroups)

## **Staffing position**

2	Professors
1	Associate Professor
1	Senior Lecturer
2	Lecturers
11	Senior staff
15	Junior staff

One professor, the Associate professor and the Senior Lecturer are post retirement contract holders.

## **Field Stations**

Danfa Rural Health Centre

District Hospitals Health Clerkship

Akosombo Hospital, Asuogyeman District

Apam Hospital, Gomoa District

Nkawkaw Holy Family Hospital, Kwahu South District

Nsawam Hospital, Akuapim South District

Suhum Hospital, Suhum/Kraboia Coal Tar District

Winneba Hospital, Awutu-Senya District

Atibie Government Hospital, Kwahu North District

## **Links With the Ministry of Health and Other Organisations**

Public Health Reference Laboratory

Disease Control Unit

Centre for Health Statistics

Tuberculosis Control Unit

## Research/Projects

Ghana Prostate Health Study (Among Ghanaian men ages 50-74) with Division of Cancer Epidemiology, National Cancer Institute (NCI) USA, Korle Bu Teaching Hospital and Pathology Department (UGMS).

## Publication

**Richard B. Biritwum, Abena Asante, Phillip, K. Amoo, Asantewa, A. Gyekye, Caroline R. Amissah, Kwabena G. Osei, Yvonne A. Appiah-Poku, and Jennifer E. Welbeck:** Community-based cluster surveys on treatment preferences for diarrhoea, severe diarrhoea, and dysentery in children aged less than five years in two districts of Ghana **J HEALTH POPUL, NUTR 2004 Jun; 22(2): 182-190**

## Conferences/Seminars/Workshops

University of Ghana Annual Scientific Conference, La Palm Royal Beach Hotel

## Benefactions

Ministry of Health: Two computers, 2 printers and a fax machine

## Visitors

Judy Vallert	-	Judy Vallert Foundation
Professor Maureen Makintosh	-	Open University, UK
Prof. Allan Hill	-	Harvard School of Public Health, USA

## Conclusion

The Department was able to discharge its responsibilities with the help of many tutors, part-time lecturers and field supervisors. There is a need to introduce M.Phil programmes in some specialized areas of Public Health as part of staff development plan. The field-training component of our programme requires a lot of inputs in the area of accommodation (except for Danfa field station) for students and supervisors. Transport is critical for the running of the activities and efforts must be made to provide the Department with suitable vehicles for senior members and staff to visit/supervise students whilst doing their district clerkships spread over eight district hospitals.

# CENTRE FOR TROPICAL CLINICAL PHARMACOLOGY & THERAPEUTICS - CTCPT

## Overview

The Centre for Tropical Clinical Pharmacology (CTCPT) is a clinical and research department in the University of Ghana Medical School (UGMS). The Centre is involved in studies on drugs used in some tropical diseases, particularly malaria. It is also involved in research on interventions to improve the rational use of drugs. The Centre is actively involved in drug safety studies and runs the National Centre for Pharmacovigilance (NCPv) in collaboration with the Food and Drugs Board. The NCPv, which is a member of the WHO Programme for International Drug Monitoring is involved in detecting, assessing and preventing drug-related adverse events in Ghanaians. In addition, the Centre is involved in vaccine safety monitoring and collaborates with the Expanded Programme on Immunization (EPI) of the Ghana Health Service.

The CTCPT also specialises in field and clinical techniques for studying malaria parasite sensitivity to antimalarials, drug analyses (particularly antimalarials), pharmacogenetics and pharmacoepidemiology. It also has expertise in Crisis Management and Communication and has provided external technical assistance to international organisations in this area.

The CTCPT has just concluded an 11-month study on the safety of the pentavalent vaccine being used in Ghana's EPT and is currently working with the National Malaria Programme to monitor the safety of sulfadoxine-pyrimethamine, a fixed dose drug combination introduced in Ghana for the Intermittent Preventive Treatment of pregnant women.

Academic staff of the Centre are facilitators on courses run both locally and internationally for prescribers by the International Network for the Rational Use of Drugs (INRUD). It has been involved in international courses in pharmacovigilance ran by national pharmacovigilance centres and/or the WHO. Additionally, staff at the Centre collaborate closely with the Ministry of Health and other institutions in the development of essential drug lists, treatment guidelines and in policy formulation for both pharmaceutical and herbal drug use in Ghana. They are at the forefront in the development and setting up of Drugs and Therapeutics Committees and in assisting to formulate and implement strategies that permit enhanced access to medicines.

## Staffing Position of the Department as at September 2004

(a) Academic Staff	- 4
(b) Senior Staff	- 6
(c) Junior Staff	- 1

## Academic Staff

Dr. Alexander Nii Oto Dodoo	-	Research Fellow/Acting Director
Prof. K. Agyepong-Yamoah	-	Professor/Contract
Mr. William Kudzi	-	Research Fellow (On Study leave for a Ph.D the University of Portsmouth, UK)
Mr. Neils Ben Quarshie	-	Research Fellow

## Senior Staff

Mr. Michael Ofori-Adjei	-	Chief Technician
Mr. Edmund T. Nartey	-	Principal Research Assistant
Mrs. Selie A. Baiden	-	Senior Administrative Assistant
Mr. John Tsakpo	-	Technician (Study leave for B.Sc. at University of Ghana)
Mr. Caleb Buenortey	-	Technician (Study leave for HND at Accra Polytechnic)
Mr. Samuel Ahorhorlu	-	Technologist

## Junior Staff

Mr Samuel Daniels	-	Office Assistant
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## Teaching

Academic staff of the CTCPT are actively involved in undergraduate and postgraduate courses in clinical pharmacology at the UGMS.

## Research Projects

- Detection, assessment and prevention of adverse events following immunization with the newly-introduced pentavalent vaccine in Ghana's Expanded Programme on Immunization.
- Safety monitoring of sulfadoxine-pyrimethamine in the intermittent preventive therapy of pregnant women in 20 districts in Ghana.
- Mapping out the response of *Plasmodium falciparum* to Chloroquine and antimalarials drugs.
- Analysis and quality assessment of antimalarials in Ghana.

## Dodoo, A.

International Conferences/Workshops Attended

- 4th- 9th September, 2004. World Congress of Pharmacy and Pharmaceutical Sciences, New Orleans, USA.

**Paper Presented:** Has labelling and advertising abrogated the role of the pharmacist in advising consumers on appropriate use of OTCs? – A developing country's perspective.

- 9th-11th September, 2004. Launch of the National Pharmacovigilance Programme in Nigeria/Training for Healthcare Practitioners. Abuja, Nigeria

**Papers Presented:**

- (a) Good Communication and Crisis Management
- (b) Safety Monitoring of Vaccines

(c) Role of the media in pharmacovigilance, rational drug use and drug safety in West Africa.

- 30th July, 2004. One day Stakeholders Workshop for the Establishment of a Pharmacovigilance System in Nigeria. Abuja, Nigeria.

**Paper Presented:**

Communicating with patients and the media – Ghana’s experience.

- 10–11th June, 2004. Bi-annual meeting of the Global Advisory Committee on Vaccine Safety, Geneva, Switzerland.
- 13th–14th May, 2004, UN Palais, Geneva. “Building Trust: Religious groups, the Media and Immunization”.
- 30th March–2nd April, 2004. Chiang Mai, Thailand, 2nd International Conference on Improving the Use of Medicines (ICIUM 2004).
- 28th February–5th March, 2004. Entebbe, Uganda, WHO/TDR LAPDAP Proposal Development Workshop.
- 26th–27th January, 2004. Geneva, Switzerland. Meeting of the CIOMS/WHO Core Group on Pharmacovigilance and Drug Development in Resource Poor Settings.
- 15th–16th January, 2004, Academy for Educational Development, Washington, D.C., USA, UNICEF Immunization Communication workshop under the theme “Why invest in communication for immunization?”
- 11th–14th December, 2003. 3rd Annual Conference of the Society of Pharmacovigilance, India (SOPI), Agra, India
- 8th – 10th December, 2003, 26th Annual Meeting of Representatives of National Centres Participating in the WHO International Drug Monitoring Programme, New Delhi, India

**Paper Presented:**

**Lapdap:** a threat or an opportunity?

- 3rd–4th December, 2003, Bi-annual meeting of the Global Advisory Committee on Vaccine Safety, Geneva, Switzerland
- 19th–29th October, 2003, WHO/AFRO Consultant to the Ministry of Health, State of Eritrea on “Establishment of an adverse drug reaction monitoring system in Eritrea”. Facilitated a “Pharmacovigilance Establishment Workshop” for 60 health professionals, at Massawa, Eritrea

**Papers Presented:**

- (a) Vaccine safety and public health
- (b) Good communication practice in pharmacovigilance
- (c) Case causality assessment
- 24th–26th September, 2003. Geneva, Switzerland. Meeting of the CIOMS/WHO Core Group on Pharmacovigilance and Drug Development in Resource Poor Settings.

**Publications**

**Dodoo, A. N. O.** Has labelling and advertising abrogated the role of the pharmacist in advising consumers on appropriate use of OTCs? – A developing country’s perspective. Abstracts of the World Congress of Pharmacy and Pharmaceutical Sciences, pp. 87.

Gyansa-Lutterodt, M., Arhinful, D., Addo-Atuah, J., Andrews, E., **Dodoo, A.**, Asiamah, D., Osei, I., Ofori-Adjei, D. 2004. Monitoring the pharmaceutical sector in the developing world: The Ghana example. Proceedings of the 2nd International Conference on Improving the Use of Medicines, ICIUM 2004, AC024

Ofori-Adjei, D., Gyansa-Lutterodt, M., Asiamah, A., **Dodoo, A.**, Aboagye-Nyame, F., Osafo, E., Arhinful, D. The role of a comprehensive pharmaceutical sector development programme in improving the rational use of drugs: the Ghana example. Proceedings of the 2nd International Conference on Improving the Use of Medicines, ICIUM 200, AC056

Eghan, K.E., Mensah, D., Idun, J., Marsden, A., Staley, R., Arhinful, K., **Dodoo, A.**, Ofori-Adjei, D, Improving access and use of medicines through private sector initiatives: a case for an essential medicines franchise in Ghana. Proceedings of the 2nd International Conference on Improving the Use of Medicines, ICIUM 2004, AC098

Neils Ben Quashie

### **Scientific Meetings and Seminars Attended**

- Symposium on “social, economic and biological determinants of the emergence and spread of drug insecticide resistance” by UNICEF/UNDP/World Bank/WHO-TDR, May, 2004, Accra, Ghana. Presented a Poster.
- First Annual Scientific Conference of the University of Ghana Medical School, May, 2004. Presented a scientific paper.
- Regional Training Course on Data Management and Quality Assurance Programme on Radio nuclide Based Molecular Technique in the Detection of Drug Resistant Malaria, by IAEA, Bamako, Mali. April, 2004.
- Antimalarial Drug Policy Sensitisation Meeting, by National Malarial Control Program/Ghana Health Service, Accra Ghana, April, 2004.
- Workshop on Teaching Methods by College of Health Sciences, University of Ghana, Accra, Ghana. February, 2004.
- Fourth congress of the Federation of African Societies of Biochemistry and Molecular Biology, Yaoundé, Cameroon. Presented a paper.
- Workshop on drug resistance malaria, Yaoundé, Cameroon, November, 2003
- WHO-MIM/TDR Antimalarial Drug Resistance Network’s meeting on Clinical Pharmacology, Stockholm, Sweden, September, 2003.

### **Research Activities**

Co-investigator ‘mapping out the response of P falciparum to Chloroquine and other antimalarials drugs in Ghana.’ This is a WHO-MIM/TDR Antimalarial Drug Resistance Network (ADRN) funded project.

### **Publications**

Goka, B., Ofori-Adjei, E., Adabayeri, V., Ofori-Mante, J., Asrae-Odei, G., Akanmori, B., Kurtzhals, J., **Quashie, N.B.**, Ofori-Adjei, D., Neequaye, J (2003). Comparison of

Chloroquine with Qnimax in the treatment of cerebral malaria in Ghanaian children. Ghana Medical Journal 37, 110-116.

**Quashie, N. B.**, Akamori, B. D., Ofori-Adjei, D., Gyan, F. N., Goka, B. Q., Neequaye, J. and Kurtzhals, J.A.L, (2004). Pre-treatment blood concentrations of Chloroquine in patients with malaria infection: relation to outcome of treatment. Journal of Tropical Paediatrics. SUBMITTED.

**Quashie, N. B.**, Ofori-Adjei, D., Duah N. O. and Koram, K. In vitro susceptibility of P falciparum to antimalarials drugs in Ghana. ACCEPTED. Ghana Medical Journal.

**Quashie, N. B.**, Akamori, B. D., Ofori-Adjei, D., Gyan, F. N., Goka B. Q., Neequaye, J. and Kurtzhals JAL, (2004). Any Role for chloquine Resistant P falciparum in the pathogenesis of severe malarial anaemia? Ghana Medical Journal. SUBMITTED.

**Quashie, N. B.**, Akamori, B. D., Ofori-Adjei, D., Gyan, F. N., Goka B. Q., Neequaye, J. and Kurtzhals, J. A. L., (2004). Distinguishing Recrudescence from Reinfection in Recurring Falciparum Malaria Infection. GMJ. SUBMITTED.

## DEPARTMENT OF HAEMATOLOGY

### Overview

Undergraduate and postgraduate teachings were done. Clinical and Laboratory Haematology services to the Korle-Bu Teaching Hospital as well as Management of the Centre for Clinical Genetics continued. Workshops, Seminars and Conferences were attended. Had exchange students from the UK and USA.

### Courses Offered and Student Numbers

Undergraduate Course	Student Numbers
Level 400 (U G M S)	100
Level 200 (BSc MLAB)	24
Level 300 (B.Sc MLAB)	20
Level 400 (B.Sc MLAB)	1

### Postgraduate

West African College of Physicians and Surgeons 15 (average)  
- Primaries, Part I, Part II.

## Staffing Position as at September, 2003

The breakdown of staff at post was

Associate Professor	-	2
Lecturer	-	1
Senior Staff	-	3
Junior Staff	-	3

The 2 associate professors are on contract.

## Research/Projects

- Longitudinal study of patients with Hyper-reactive Malarial Splenomegaly to document evidence of evolution into lymphoma. In collaboration with Liverpool School of Tropical Medicine and Komfo Anokye Teaching Hospital – On-going
- The Diagnosis of Malaria: Microscopy and serology compared. Ethical Approval received. Seeking for funds
- Use of Hydroxyurea in Sickle Cell Patients at the Centre for Clinical Genetics. Proposal being developed.
- All three senior members actively involved in organizing and establishing the Ghana National Postgraduate College.

## Publications

NIL

## Conference/Seminars/Workshop

- Presented Paper on “Anaemia in Ghana” at Seminar of Ghana Medical Association. September, 2003. Attended by Prof. J. K. Acquaye.
- Annual General and Scientific Meeting of West African College of Physicians and Surgeons, GIMPA, Accra. November, 2003. Attended by Prof. Ankra – Badu, Prof. Acquaye and Dr. Ekem.
- Science and Technology Day Herman Gmeiner College, Tema, Presented paper on Application of Genetics in Medicine, 19th March, 2004 – Prof. Ankra – Badu, (Resource Person)
- West African College of Physicians Part II Haematology – Examiner.
- 3 – 7 April, 2004. Attended by Prof. Ankra – Badu.
- South African College of Physicians and Surgeons.
- May, 2004. Attended by Prof. J. K. Acquaye.
  - a. Observed their final examination in Haematology.
  - b. Received honorary fellowship of the College.
- U G M S Conference on Research and Medical Practice. La Palm Royal Beach Hotel, Accra, Ghana, Presented paper on Medical Oncology in Ghana.
- 12th May, 2004. Attended by Prof. Ankra – Badu.

- HIV/AIDS Workshop organized jointly by the GIMPA, Ghana College of Physicians and Surgeons and Ghana Aids Commission. 10th – 11th June 2004. Attended by Prof. Ankra-Badu.
- WHO AFRO Meeting in Brazzaville. 30th August–3rd September, 2004, Member of Ghana Delegation of 4 – Dr. Ivy Ekem

### **Visitors**

Prof. Leonard C. Thomas of Tulane University, USA, (11th–21st June, 2004), gave a lecture on “Genetic Aspects of Cancer.”

Prof. J. Connor of University of British Columbia, Canada, (3rd September, 2004), gave a lecture on “Current Trends in the Management of Lymphoma.”

### **Benefactors**

Prof. Leonard C. Thomas of Tulane University, USA, donated books and other educational materials to the Department and was distribution to other departments as well as the Library.

## **DEPARTMENT OF MEDICAL BIOCHEMISTRY.**

During the year under review the Department of Medical Biochemistry continued to provide teaching, research and extension services within the constraints presented by increasing number of students and limited resources. The Department offered the Master of Philosophy in Medical Biochemistry program. It also served other departments in the Medical and Dental Schools and the School of Allied Health Sciences of the College of Health Sciences.

### **Courses Offered**

The Department offered courses at the B.Sc. (Medical Science), BSc. (Allied Health Sciences), and M.Phil levels in such areas as Molecular Cell Biology, Intermediary Metabolism, Signal Transduction and Human/Medical Genetics.

### **Student Numbers**

Level 200 (Allied Health Sciences)	22
Level 300 (Medical and Dental Schools)	137
Postgraduate (MPhil and Professional)	10
<b>Total</b>	<b>169</b>

## **Staffing position**

- 1 Associate Professor
- 1 Senior Lecturer
- 3 Lecturers
- 2 Senior Technical Staff
- 1 Senior Administrative Staff
- 1 Junior Staff

Out of this number, two Lecturers were on study leave. Mr. Neils Quashie a lecturer, Center for Tropical Clinical Pharmacology and Therapeutics was attached to the Department for teaching purposes. Dr. I. K. E. Quaye was engaged as a part-time lecturer. Mr. Kenneth Agbolosu, a Senior Technical Staff returned to the Department from study leave.

## **Research in the Department**

### **Asante-Poku, S.**

- Interethnic disposition of drugs
- Allelic frequency of transthyretin Val 122 Ile in West African Newborns
- Medium chain acylCoA Dehydrogenase Deficiency in Ghanaian Newborns
- Newborn screening for Metabolic Disorders.

## **Research Collaboration**

- Department of Pediatrics. Columbia University, New York, USA.
- Margarate Fischer-Bosch Institute for Clinical Phamacology, Stuttgart, Germany.

### **Oppong, S. Y.**

- Lipid contents of local edible oils.
- Lipid levels and biochemical profiles of hypertensives and diabetics at KBTH.
- Participation of urban informal sector in the Nation Health Insurance Scheme (collaboration with Department of Community HealthUGMS, Korlebu).

### **Amoah, A. G. B.**

- Genetics of Type 2 diabetes
- Genetics of Haptoglobin
- Metabolic risk factors of Cardiovascular disease
- Glucose regulation in Pregnancy
- Glucose monitoring methods in Ghanaian subjects with diabetes
- Metabolic consequences of overweight and obesity
- Pathogenesis of Type 2 diabetes in Africans
- Iodine deficiency and thyroid volumes in Ghanaian School Children

## Publications

### Asante-Poku, S.

- **Nikola Jeck, Siegfried Waldegger, S. Asante-Poku, Matthias Schwab, Florian Lang.** 'Activating Mutation of the Renal Epithelial Chloride Channel CIC-Kb Predisposing to Hypertension Hypertension June, 2004, 43: 1175-1181
- **Asante-Poku, S., Ayettey, A. S. and Tagoe, C. N. B.** 'Orientation Workshop for New Teachers: University of Ghana, College of Health sciences Experience.' Abstract, World Council on Medical Education. Copenhagen, Denmark, 2003.

### Amoah, A. G. B

- **Amoah, A. G. B.** Schuster, D. P., Gaillard, T, Osei, K. Insulin sensitivity and cardiovascular risk factors in hypertensive and normotensive native Ghanaians. *Diabetologia.* 2003 Jul; 46:949-955.
- **Amoah, A. G. B.** Obesity in adult residents of Accra, Ghana. **Ethn Dis.** 2003;13:S2(97-101).
- Teye, K., Quaye, I. K., Koda, Y., Soejima, M., Tsuneoka, M., Pang, H., Ekem, I., **Amoah, A. G. B.**, Adjei, A., Kimura, H. I. A 61C and C 101G Hp gene promoter polymorphisms are, respectively, associated with ahaptoglobinaemia and hypohaptoglobinaemia in Ghana. *Clinical Genetics* 2003; 63: 1-5.
- **Amoah, A. G. B.** Socio-demographic variations in obesity among Ghanaian adults. *Journal of Public Health and Nutrition. Public Health Nutrition* 2003;6:751-757.
- Osei K, Schuster, D. P, **Amoah, A. G. B.**, Owusu, S. K. Pathogenesis of type 1 and type 2 diabetes mellitus in Sub-Saharan Africa: implications for transitional populations. *J Cardiovascular Risk.* 2003 Apr;10:85-96.
- Teye, K, Quaye, I. K., Koda, Y., Soejima, M., Pang, H., Tsuneoka, M., **Amoah, A. G. B.** *et al.* A novel I247T missense mutation in the haptoglobin 2 beta-chain decreases the expression of the protein and is associated with ahaptoglobinemia. *Hum Genet.* 2004 114:499-502.
- **Amoah, A. G. B.**, *et al.* Feasibility of ultrasonography in field studies in a developing country, Ghana. *African Journal of Medicine and medical science.* 2004;33:161-164.

## Conferences/Seminars

### Oppong, S. Y.

- National scientific conference on HIV/AIDS, Accra, February, 2004.
- Annual scientific conference of UGMS, Accra, May, 2004.

### Asante-Poku, S.

- Association for Medical Education in Europe Conference, Edinburgh, Scotland, UK, September, 2004.

- 5- day Workshop on Proposal and Grant Writing for Senior Members/ Senior Staff of the College of Health Sciences. October, 2003
- One-day Workshop on Stress and Stress Management for Level 300 medical/ dental Students. April, 2004
- 3- Day Workshop on Teaching Methods for Teaching Staff of the College of Health Sciences. November, 2003
- Annual scientific conference of UGMS, Accra, May, 2004.

#### **Amoah A. G. B.**

- Presented a lecture “Hyperlipidaemia” on 5th September, 2003, at the Ghana Medical Association Continuing Medical Education Programme, Accra on the theme “Diet and Health”
- First Annual University of Ghana Annual Scientific Conference, 12-14th May, 2004. Chairman, Organizing Committee: Presented the following posters:
- **Amoah, A. G. B.**, Pobee, J. O. M. Cardiovascular risk factors in urban Accra: 1975 and 1998
- **Amoah, A. G. B. et al.** Correlates of sonographically determined thyroid volume in School children from Tema and Dangbe-West
- Ampofo, R., Addo, J., Quakyi, I., **Amoah, A. G. B.** Impaired glucose regulation in rural pregnant women from Dangbe-West
- Amanquah, S. D., Ghansah, G. A., **Amoah, A. G. B.** Evaluation of new improved home glucose monitor (Glucocare).

#### **Extension Work**

##### **Asante-Poku S.**

- Appointed Chairman of the National Youth Council Board, Ministry of Education, Youth and Sports, by His Excellency the President of the Republic of Ghana.
- External Examiner: School of Medical Sciences, KNUST, Kumasi-
- Member of the National Bio-safety Committee, Ministry of Science and Environment.
- Journal Reviewer: Ghana Medical Journal.

##### **Oppong S. Y.**

- Appointed member of Board of Directors of the Trust Hospital, Accra.
- Member, Greater Accra Regional Technical Committee on National Health Insurance.
- Chairman, Procurement Committee of the Trust Hospital, Accra.

# DEPARTMENT OF MEDICINE & THERAPEUTICS

## Overview

The Department of Medicine & Therapeutics, the second largest department in the Medical School has 4 units of general medicine with a total of 18 Senior Members. The Department runs courses for under-graduates in their clinical years and also for post-graduate working for higher professional examinations. All senior members are also engaged in various research projects in addition to a very heavy service load, which entails supervising the day to day activities of a very busy emergency and referral hospital.

## Staffing Position of Department As At 2003/2004 Academic Year

(a) Academic/Research	-	18
(b) Senior Staff	-	4
(c) Junior Staff	-	6

## Courses Taught

The Department being a clinical department is engaged at any one instance in teaching students from at least 2 if not all clinical years. During the course of the academic year, the Department runs the following courses:

1. Nursing Week - (1st Clinical Year) - 1 week
2. Introductory Course - (1st Clinical Year) - Clinical  
Medicine  
1st Clinical Year - 4 weeks

This course consisted of daily 1-hour lectures followed by clinical demonstration on the ward in 2 sessions (morning - 2 hours, afternoon - 3 hours).

3. Junior Clerkship - (First Clinical) - 10 weeks x 2

1st Clinical Year Students. This is a coordinated course undertaken in conjunction with the Department of Surgery. The course consists of 1 daily 1-hour lectures for 20 weeks in addition to bedside teaching and tutorials on the wards.

4. Senior Clerkship - (3rd Clinical Year) - 40 weeks  
This course is provided for students in their final year and is a more concentrated and detailed course in Internal Medicine.
5. Dermatology Course - (2nd Clinical Year) - 21 weeks  
2nd Clinical Year Students

This course consists of ten 1-hour weekly lectures and clinical out-patients sessions for small groups for 8 weeks.

#### 6. **Post-graduate Programme**

This programme is structured for young medical officers, middle grade doctors and residents who have been formally admitted on to the professional postgraduate course to work for the Fellowship of the West African College of Physicians.

<b>Course</b>	<b>No. of Students</b>
(a) Nursing Week	89
(b) Introductory Clinical Course in Medicine & Surgery	89
(c) Junior Clerkship in Medicine/Surgery	89
(d) Senior Clerkship in Medicine	88
(e) Dermatology Course	125
(f) Postgraduate Course in Internal Medicine	27

#### **Research in the Department**

##### **Owusu, S. K.**

- Use of Herbal Drugs for the treatment of Diabetic and Sickle Cell Ulcers.

##### **Affram, R. K.**

- Renal Disorders in Ghana
- SLE
- Hypertension

##### **Mate-Kole, M. O.**

- The Burden of Chronic Kidney Disease
- Acute Renal Failure, the Ghanaian experience and pathogenesis
- Glomerular Diseases in Ghana

##### **Kpodonu, J.**

- Cardiac Register
- The Mamprobi Project on Cardiovascular Diseases
- WHO Patient Education Project in Hypertension : a longitudinal study
- Echocardiogram of cardiomyopathies
- Ischaemic heart disease in Ghana
- ECG changes and hypertension in Ghanaian Blacks
- Complete Heart Block and syncopal Attacks
- Pre-excitation syndromes
- Sick sinus syndrome
- Holter monitoring

##### **Lartey, M.**

- Co-Infection of Hepatitis B and C in HIV Infection
- Skin Diseases on HIV Infected patients on HAART
- Study of Discordant couples in HIV Infection

## Research/Projects in the Department

### Nkrumah, K. N.

- Upper G.I. Endoscopy in PEPTIC ULCER DISEASE or CHRONIC UPPER ABDOMINAL PAINS.
- Colonoscopic study of suspected Inflammatory Bowel Disease
- Sclerotherapy of oesophageal varices in portal hypertension
- Hepatitis B & C viral markers, & HIV in PATIENTS WITH CHRONIC LIVER DISEASE.

### Addo, H. A.

- Contact Dermatitis
- Pyoderma Gangrenosum & Related Systemic Diseases
- Preliminary studies on the Efficacy and Safety Evaluation of two Herbal Ointment Preparations useful for Bacterial, Fungal and Viral Infections.

## Conferences/Seminars/Workshops

### Owusu, S. K.

- 1st Annual Scientific Conference, University of Ghana Medical School, College of Health Sciences, 12th – 14th May, 2004 held in Accra.  
**Paper Read:** Asmisol, a herbal preparation for the treatment of Diabetic and sickle cell ulcers.
- 2nd African Traditional Medicine Day, 31st August, 2004 Symposium held in Accra.  
**Paper Read:** Clinical trials and ethical issues in herbal medicine

### Affram, R. K.

- College of Health Sciences, University of Ghana 1st Annual Scientific Conference. La Palm Royal Beach Hotel. 12 – 14 May, 2004.
- ISN/ConGARD Meeting & Ghana College of Physicians and Surgeons Meeting 8th December, 2003.
- Revision Course for FWACP Part I Examination, August, 2004.

### Nkrumah, K. N.

- AGSM of West African College of Physicians, Accra, Ghana, Nov. 2003.
- Inauguration of Ghana College of Physicians and Surgeons. 8 Dec. 2003
- First Scientific Conference of University of Ghana Medical School, College of Health Sciences, 12–14 May, 2004:  
**Paper Read:** SEVERE MALARIA IN ADULTS.
- West African College of Physicians (WACP): Revision Course in Internal Medicine, August 2–14, 2004. Faculty Member.  
**Lectures given:** 1. Acid Peptic Disease  
2. Inflammatory Bowel Disease.

### **Kpodonu, J.**

- West African College of Surgeons (Faculty of Anaesthesiology) Update Course ECG
- West African College of Physicians (WACP): Revision Course in Internal Medicine, August 2 – 14, 2004.

### **Addo, H. A.**

- First Scientific Conference of University of Ghana Medical School, College of Health Sciences 12 – 14 May, 2004, Accra.

## **Publications**

### **Owusu, S. K.**

- Contributor of 5 Chapters and Co-Editor of the Book titled: *A Layman's Guide to Good Health* (2004). **Edited by Professor E.A. Badoe &** Professor S. K. Owusu
- Charles N. Rotimi, Guanjie-chen, Albert Amoah, **Samuel Owusu**, Joseph Acheampong, Georgian Dunston, Francis S. Collins *et al.* A Genome-wide search for Type 2 Diabetes Susceptibility Genes in West Africans. *Diabetes* 2004; 53 : 838 – 841.

### **Lartey, M.**

- Hemolytic Uremic Syndrome : A case report from Africa. M. O. Mate-Kole, **Lartey, Margaret** . *Renal Failure* Vol. 25, No. 4, 2003, 659 – 664.
- Characteristic of Adult tetanus in Accra. Hesse I. F.A, Asante D.K, **Lartey M.** *WAJM* Vol. 22 No. 4 2003, 291 – 294.

### **Nkrumah, K. N.**

- **Nkrumah, K. N.**, Rana, S.V., Amanquah, S.D.: FECAL PANCREATIC ELASTASE-1 IN THE DIAGNOSIS OF CHRONIC PANCREATITIS IN PATIENTS ATTENDING A TERTIARY REFERRAL HOSPITAL IN GHANA. *GASTROENTEROLOGY INTERNATIONAL* VOL. 15 No. 1 1–2 Mar/June 2002
- **Nkrumah, K. N.**, Addo H. A., Tachi K. : Pyoderma Gangrenosum and Inflammatory Bowel Disease Case Reports. Submitted for publication in *Ghana Medical Journal* – September, 2004.

### **Amoah, A. G. B.**

## **Research Activities 2003/2004**

1. Chronic Disease Management-Adherence to treatment
2. Genetics of Type 2 diabetes
3. Genetics of Haptoglobin
4. Epidemiology of Cardiovascular diseases
5. Diabetes in Pregnancy
6. Glucose monitoring methods in Ghanaian subjects with diabetes
7. Diabetes care profile of subjects with diabetes

8. Audit of hypertension care and practices
9. Hypertension in Diabetes Mellitus
10. Evaluation of a patient resource, Traffic Light booklet
11. Epidemiology of obesity
12. Pathogenesis of Type 2 diabetes

## Publications

(Title of publication; Name of Author; Place of publication; Date of publication; Name and volume number of journal and pages).

- **Amoah, A. G. B.**, Hypertension in Ghana: a cross-sectional community prevalence study in Greater Accra. *Ethn Dis.* 2003 Summer;13(3):310-5.
- **Amoah, A. G. B.**, Schuster, D. P, Gaillard, T, Osei, K. Insulin sensitivity and cardiovascular risk factors in hypertensive and normotensive native Ghanaians. *Diabetologia.* 2003 Jul; 46:949-55.
- **Amoah, A. G. B.**, Obesity in adult residents of Accra, Ghana. **Ethn Dis.** 2003;13:S2(97-101).
- Adjei, A. A., Kudzi, W, Armah, H, Adiku, T, **Amoah, A. G.**, Prevalence of antibodies to syphilis among blood donors in Accra, Ghana. *Japanese J. Infectious Dis.* 2003; 56:
- Teye, K, Quaye I.K, Koda, Y, Soejima, M., Tsuneoka, M., Pang, H, Ekem, I. **Amoah, A. G.**, Adjei, A, Kimura, H., A 61C and C 101G Hp gene promoter polymorphisms are, respectively, associated with ahaptoglobinaemia and hypohaptoglobinaemia in Ghana. *Clinical Genetics* 2003: 63: 1-5.
- **Amoah, A. G. B.**, Socio-demographic variations in obesity among Ghanaian adults. *Journal of Public Health and Nutrition.* *Public Health Nutrition* 2003;6:751-757.
- Cooper, R.S, **Amoah, A. G. B.**, Mensah, G. A. High Blood Pressure: The foundation for Epidemic Cardiovascular Disease in African Populations. *Ethnicity and Disease.* 2003;13:S2(48-52).
- Osei K, Schuster DP, **Amoah A. G. B.**, Owusu SK. Pathogenesis of type 1 and type 2 diabetes mellitus in sub-Saharan Africa: implications for transitional populations. *J Cardiovascular Risk.* 2003 Apr;10:85-96.
- Rotimi, C. **Amoah, A.** et al. Prevalence and determinants of diabetic retinopathy and Cataracts in West African Type 2 diabetes. *Ethn Dis.* 2003;12:S2(110-117).
- Teye, K, Quaye, I.K, Koda, Y, Soejima, M, Pang, H, Tsuneoka, M., **Amoah, A. G.** et al. A novel I247T missense mutation in the haptoglobin 2 beta-chain decreases the expression of the protein and is associated with ahaptoglobinemia. *Hum Genet.* 2004 114:499-502.
- **Amoah, A. G. B.**, et al. Feasibility of ultrasonography in field studies in a developing country, Ghana. *African Journal of Medicine and medical science.* 2004; 33:161-164.

## Conferences/Seminars/Workshops Attended by Staff and Titles of Papers Read

- 18th International Diabetes Federation Congress, Le Palais des Congress.,

Paris, France. August 24-29th, 2003. Chaired a meeting: Diabetes Education in Africa.

Presented 2 lectures:

1. Reinforcing Education in a low income setting: the traffic light diabetes booklet
  2. A national diabetes care and education programme: the Ghana model
- First Congress and Second Scientific Meeting, International Society of Diabetes and Pregnancy Study Groups; 35th Annual Meeting, Diabetes in Pregnancy Study Group (European Association for Study of Diabetes) Sant Salvador-Commaruga, El Vendrell, Spain, 29th August -2nd September, 2003. Presented a poster: Audit of pregnancy care and outcome in Ghanaian subjects with diabetes and gestational diabetes at a national referral hospital: a preliminary report. Amoah, A.G. Seffa, J, Kwawukume, E., Addo, J. Aduamah, S, Amaning, A, Martery, M., Tobo, B, Kutoatsi, D,
  - Presented a lecture "Hyperlipidaemia" on 5th September, 2003, at the Ghana Medical Association Continuing Medical Education Programme, Accra on the theme "Diet and Health"
  - College of Health Sciences, Medical Education Unit Programme; Presented a lecture "Journal Article Writing" 2nd October, 2003
  - West African College of Physicians 27th Annual General and Scientific Meeting, Accra. 17-20th November, 2003.

Presented a paper:

Sociodemographic Correlates of obesity in Ghanaian Adults s

- Center for Disease Control and Prevention (CDC, Atlanta, Georgia, USA) and International Union of Health Promotion and Education (IUHPE, Paris, France) Planning Meeting for Capacity Building for prevention and control of Cardiovascular Diseases in sub-Saharan Africa, Accra. December, 2003.
- Africa America Diabetes Mellitus (AADM) Investigators conference, La Palm Royal Beach Hotel, December, 2003.
- First Annual University of Ghana Annual Scientific Conference, 12-14th May, 2004. Chairman, Organizing Committee: Presented the following posters:

- **Amoah, A. G. B.**, Socioeconomic associations of blood pressure in adult Ghanaians.
- **Amoah, A. G. B.**, Pobee, J. O. M. Cardiovascular risk factors in urban Accra: 1975 and 1998.
- **Amoah, A. G. B.**, *et al.* Correlates of sonographically determined thyroid volume in School children from Tema and Dangbe-West.
- **Amoah, A. G. B.**, Newman, M.J., Hammond, E. N-A., Addo, J., Brown, C., Minamor, A. Candiduria in Ghanaian Females with Diabetes.
- **Amoah, A. G. B.**, Addo, J. Ampofo, R, Amoako-Atta, E., Aduamah, S., Martery, M., Seffa, J., Kwawukume, E., Amanaing, A., Tobo, B. Poor pregnancy outcome in subjects with diabetes or gestational diabetes: a cause for concern.
- Ampofo R., Addo, J., Quakyi, I., **Amoah, A. G. B.** Impaired glucose regulation in rural pregnant women from Dangbe-West.
- Addo, J, **Amoah, A. G. B.**, Ampofo, R, Koram, K.A. Blood pressure profiles of rural residents of Greater Accra.
- Amanquah, S.D. Ghansah, G. A, **Amoah, A. G. B.**. Evaluation of new improved home glucose monitor (Glucocare).

- Revision Course: West African College of Physicians, Accra. 2004. Gave two lectures:
  - Myocardial Infarction
  - Investigation of Cardiovascular Diseases

**Hesse, I. F. A.**

### **Research Projects**

Prevalence of Human Immunodeficiency Virus (HIV), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV) infections, Tuberculosis and Syphilis among Prisoners in Accra, Ghana.

### **Publication:**

- Hesse, I. F. A. Blood pressure response to outpatient drug treatment in 1973-93 at Korle-Bu Teaching Hospital, Ghana. *West African J. Med.* 2003; 22(2):
- Hesse, I. F. A. & Neequaye, A. R. HIV infection in pulmonary tuberculosis patients admitted to the Korle-bu Teaching Hospital, Accra, Ghana in 1996-97. *Ghana Med. J.* 2003; 37(1), 7-11.
- Adjei, A. A., Duah, O. W., Adiku, T. K., and Hesse, I. F. A. An evaluation of a rapid serological chromatographic immunoassay for the diagnosis of pulmonary tuberculosis in Accra, Ghana. *Jpn J Infect Dis.* 2003; 56(4). 158-160.
- Goka, B. Q., Hesse, I. F. A. & Oliver-Commey, J. O. Clinical audit of management of asthma in Children in Korle-Bu Teaching Hospital. *Ghana Med. J.* 2003; 37(3): 122-127.
- Adjei, A. A., Adiku, T. K., Ayeh-Kumi, P. F., Ansah, J. and Hesse, I. F. A. Prevalence of antibodies to Human T-lymphotrophic virus type 1 among blood donors in Accra, Ghana. *Ghana Med. J.* 2003; 37(3): 133-136.
- Adjei, A. A., Duah, O. A., Adiku, T. K., Ayeh-Kumi, P. F. & Hesse, I. F. A. Prevalence of human immunodeficiency virus infection among tuberculosis suspect patients in Accra, Ghana. *West African. J. Med.* 2004. In press.
- Hesse, I. F. A. Mensah, A., Asante, D. K. Lartey, M. & Neequaye, A. R. Characteristics of Adult Tetanus in Accra. *West African. J. Med.* 2004. In press.
- Contribution in: "*Management of Accidents and Emergencies: A Manual for Frontline Providers*"; edited by: Hesse, I. F. A, Adadevor, S. Bannerman, C, Hesse, A A J. & Rodrigues, O. 2004. NHLMC-HRDD, Ghana Health Service, Ghana 2003.
  1. Hesse, I. F. A. Introduction to Accident and Emergency Medicine. Chapter 2: General Principles Of Accident & Emergency Practice. Pages 32-33.
  2. Hesse, I. F. A. Problem Solving Approach to A&E care. Chapter 2: General Principles Of Accident & Emergency Practice. Pages 44-45.
  3. Hesse, I. F. A. Low or absent urine output. Chapter 8: Medical Emergencies. Pages 537-541.
  4. Hesse, I. F. A. Fevers, Infections and Septicaemia. Chapter 8: Medical Emergencies. Pages 432-446.

5. Hesse, I. F. A. The Acutely Breathless Patient. Chapter 8: Medical Emergencies. Pages 447-471.
  6. Hesse, I. F. A. Chest Pain. Chapter 8: Medical Emergencies. Pages 472-486.
  7. Hesse, I. F. A. Coughing up blood. Chapter 8: Medical Emergencies. Pages 487-492.
  8. Hesse, I. F. A. Forson, Audrey. The unconscious patient. Chapter 8: Medical Emergencies. Pages 493-499.
  9. Hesse, I. F. A. Poisoning, Bites and Stings. Chapter 8: Medical Emergencies. Pages 550-559.
  10. Hesse, I. F. A. Ofei, F. Headaches. Chapter 8: Medical Emergencies. Pages 508-510.
  11. Hesse, I. F. A. Hypertensive Crisis/Emergencies. Chapter 8: Medical Emergencies. 511-517.
  12. Hesse, I. F. A. Gastrointestinal bleeding. Chapter 8: Medical Emergencies. Pages 518-524.
  13. Hesse, I. F. A. Jaundice. Chapter 8: Medical Emergencies. Pages 525-536.
  14. Hesse, I. F. A. Needle Thoracotomy Chapter 9: Emergency Procedures. Page 570.
  15. Hesse, I. F. A. Pericardiocentesis. Chapter 9: Emergency Procedures. Pages 575-576.
  16. Hesse I. F. A. Insertion of chest tube. Chapter 9: Emergency Procedures. 573-574.
  17. Hesse, I. F. A. Lumbar puncture. Chapter 9: Emergency Procedures. 583-585.
  18. Hesse, I. F. A. Fits and Faints. Chapter 8: Medical Emergencies. Pages 503-507.
  19. Lamptey, Eugenia. Hesse, I. F. A. Principles of Accident and Emergency Medical Practice. Chapter 2: General Principles Of Accident & Emergency Practice. Pages 36-41.
- Hesse, I. F. A., Adadevor, S. Bannerman, C., Hesse, A. A. J. & Rodrigues, O. (editors). "Management of Accidents and Emergencies: A Manual for Frontline Providers". NHLMC-HRDD/Ministry of Health/Ghana Health Service, Ghana 2004.

### **Conferences/Seminars/Workshops**

- Hesse, I. F. A. Ethical Issues in Biomedical Research. Workshop on Proposal and Grant Writing. College of Health Sciences, University of Ghana, Medical Education Unit. October 1-3, 2003.
- Hesse A. Clinical Staging and Opportunistic Infection Prophylaxis. National AIDS Control Programme Workshop on the Clinical Management of HIV/AIDS opportunistic Infections and Antiretroviral Therapy. 3-7th November, 2003.
- Hesse, A. Management of Tuberculosis. National AIDS Control Programme Workshop on the Clinical Management of HIV/AIDS opportunistic Infections and Antiretroviral Therapy. 3-7th November, 2003.

- Hesse, A. Clinical Management of HIV/AIDS in Ghana. Workshop on Abacavir. Glaxo Smith & Kline. 7th December, 2003.

## **Benefactors**

- WHO AFRO, Harare, sponsorship to attend WHO Training Course for TB Consultants, 9–21 November, 2003, Sondalo TB Hospital “E. Morelli”, Italy.
- WHO HQ, Geneva sponsorship to attend WHO Training Course for TB/HIV Consultants, 19–24 April, 2004, Sondalo TB Hospital “E. Morelli”, Italy.
- WHO Ghana sponsorship to attend
  - a. 4th Annual Global Meeting of the TB/HIV Working Group of the STOP TB Partnership in Addis Ababa, Ethiopia, September 20–2, 2004.
  - b. TB/HIV Surveillance Workshop of the Centers for Disease Control and Prevention and WHO in Addis Ababa, Ethiopia, September 22–24, 2004.

## **Department of Microbiology**

### **Overview**

During the period September 2003 to August, 2004, the department of Microbiology offered courses to under- graduates – medical students, biomedical students and post- graduates.

Staff members carried out research in several areas of Virology, Parasitology & Bacteriology. We also had collaborative research with other departments in the Medical School – Child Health, Obstetrics and Gynaecology and Dental School and Fevers Unit (Department of Medicine).

General clinical microbiological support was provided for Korle Bu Teaching Hospital in the form of diagnostic services and consultations on various issues. Other hospitals and health institutions in the Greater Accra Region also benefited from these services.

Although we have managed to successfully complete teaching of all courses, the workload on staff is very high. We were also supported by some part-time lecturers.

### **Staffing Position**

The break down of staff at post was:

- 1 Professor ( On contract)
- 1 Associate Professor
- 1 Senior Lecturer
- 3 Lecturers

12 Senior Staff  
9 Junior Staff

### Courses Taught/Number of Students

<b>Courses</b>	<b>No. of Students</b>
BSc. Medical Science	Level 400 = 106
BSc. Med. Lab. (Allied Health Sciences)	Level 400 = 4
	Level 300 = 11
	Level 200 = 20
M.Phil Biomedical Sciences	= 5
Ph.D	= 4
<b>Total</b>	<b>150</b>

### Staff List

Prof. Mercy J. Newman	Head of Department (Bacteriology)
Mr. Eric Sampene-Donkor	Bacteriology
Dr. Patrick F. Ayeh-Kumi	Parasitology
Prof. Julius A. A. Mingle	Virology (On contract)
Dr. Theophilus K. Adiku	Virology
Mr. Kwamena W. C. Sagoe	Virology

### Research in the Department

1. Resistance to antimicrobial drugs in Ghana; collecting bacterial isolates from nine regions in Ghana to identify multiple resistant strains and detect Minimum Inhibition Concentration (MIC) to various antibiotics .
2. Identification and sensitivity of Mycobacteria Tuberculosis.
3. Urinary pathogens in catheterised patients.
4. Oral mycoflora in AIDS/HIV patients.
5. Vaginal flora of first time urban family planning attendants.
6. Genital and intestinal carriage of Group B Streptococcus during pregnancy.
7. Prevalence of potential pathogens in the lower genital tract of pregnant women.
8. Dual HIV-1/HIV-2 infections.
9. Hepatitis B/C viruses in non-HIV and HIV infected patients.
10. Immunovirological assessment of discordant HIV couples.
11. Pharmaco-economic evaluation of blood transfusion safety (focus on viral Infections).
12. Subtype distribution and analysis for resistance mutations in HIV-1 from HIV.
13. Cytomegalovirus infections in blood donors.
14. Aetiology and predisposing factors influencing the severity of Acute Lower Respiratory tract Infections among children under five years in Accra, Ghana.
15. A study of the prevalence of cervicovaginal Human Papilloma Virus types in Ghanaian women.
16. A perspective survey of Cryptosporidiosis in HIV/AIDS patients and children/adults with diarrhoea

17. Detection of tuberculosis infection in HIV/AIDS and other patients in Ghana: Evaluation of an Enzyme-linked Immunoassay serodiagnostic test.
18. Analysis of clinical samples for diagnosis of parasitic infections at the Korle-Bu Teaching Hospital.
19. Comparison of presumptive and laboratory diagnosis of parasitic infections among out-patients visiting the Korle-Bu Teaching Hospital.
20. Water quality analysis: Sachet water in Accra.
21. Investigation of parasites associated with common vegetables on the Ghanaian market.
22. Opportunistic parasites associated with HIV/AIDS patients at the Korle-Bu Teaching Hospital.
23. Analysis of clinical samples for diagnosis of parasitic infections at the Korle-Bu Teaching Hospital.

## Conferences/Seminars/Workshops

### Prof. M. J. Newman

- 3rd Annual Research Meeting – Noguchi Sept. 23rd–25th, 2003.  
**Theme:** Bridging the Research – Policy Divide.
- 27th AGM of West African College of Physicians, 17th–20th Nov. 2003, Accra
- Health Research Unit Conference “Quality of Care” 28th January, 2004.  
**Lecture:** Resistance to Antimicrobial drugs in Ghana
- National HIV/AIDS Research Conference. 11th–13th February, 2004, Accra. Co-chairman at National AIDS Commission Conference on Research.
- Workshop – Anatomical Technology curriculum. 14th February, 2004.
- Workshop – New Approach to the Treatment of Filariasis. 20th February, 2004, Accra.
- 3rd Biannual Superintendents’ Conference – Implementation of the National Health Insurance Scheme – the role of the Health Care Providers and medical superintendents .  
**Lecture:** REPORT ON EXTERNAL CLINICAL SERVICE REVIEW AND EMERGING ISSUES FOR DIAGNOSTIC SERVICES. ACCRA 16TH APRIL, 2004.
- 2nd Scientific Workshop – Quality of Care. Amsterdam June, 2004  
**Lecture:** Resistance to antimicrobial drugs in Ghana

### Mr. Eric Sampane-Donkor

- Workshop on Teaching Methods; College of Health Sciences, Accra Ghana. 25th–27th February, 2004.
- First Annual Scientific Conference, University of Ghana Medical School; La Palm Royal Beach Hotel, Accra, Ghana; 12th–14th May, 2004.
- Workshop on Quality of Health Care; Ghanaian-Dutch Collaboration for Health Research and Development; Ghana Health Service. 28th January, 2004.
- Presentation at the dissemination meeting of Ghana-Dutch Programme for health research and development; Ghana Health Service, Accra. 27th May, 2004.  
**Lecture:** Resistance to antimicrobial drugs in Ghana;

### **Dr. P.K. Ayeh-Kumi**

- First annual scientific Conference, University of Ghana Medical School. La Palm Royal Beach Hotel, Accra, 12th–14th May, 2004.  
**Lecture:** Amoebiasis: a re-emerging infectious disease:
- 4th National Delegates Conference of the Ghana Association of Biomedical Scientists (GABMS) 15th–18th September, 2004 at Bonso.

### **Prof. J.A.A. Mingle**

- National level supervisor Northern Region – NID 24th –27th October, 2003. 2nd NID 5th–7th December, 2003.
- Participants: Stakeholders Review Workshop on National Guidelines for the Development and Implementation of HIV Voluntary Counselling and Testing (VCT) in Ghana. November, 2003.
- Participant – Consensus Building Workshop for the Development of a plan of action for HIV/AIDS Laboratory Activities in Ghana. Ghana Health Service 16th–17th October, 2003. National AIDS Control Programme, Korle Bu.
- Regional Officers and National Level Supervisors Micro-planning Training of Synchronised NIDs 2003, Ghana. 18th–19th September, 2003 Accra.
- University of Ghana Medical School. First Annual Scientific Conference, La Palm Royal Beach Hotel. 12th–14th May, 2004.  
**Lecture:** Interactive workshop on HIV/AIDS – Laboratory Diagnosis of HIV.
- Workshop on “The Science of HIV/AIDS organised by the Ghana College of Physicians and Surgeons 9th–10th June 2004. **Lecture:** “The Virus”.
- Co-chairman at National AIDS Commission Conference on Research 11th–13th February, 2004 Accra.

### **Dr. T.K. Adiku**

- Continuing Medical Education – National Symposium on Diseases of the Respiratory Tract, June 11th 2004, GNAT Secretariat, Accra.
- First Annual Scientific Conference: University of Ghana Medical School. Theme: Research and Medical Practice. 12th–14th May 2004.
- Ghana Science Association 9th Biannual workshop. Theme: The Plastic Waste Menace. 8th July, 2004 Cape-Coast.

### **Mr. K.W.C. Sagoe**

- Workshops to train Obstetricians and Surgeons in the clinical management of HIV infection, Korle-Bu Teaching Hospital, Accra, 17th to 24th May, 2004.  
**Lecture:** Life Cycle of HIV: Replication and Targets for treatment. Oral presentation.
- First Annual Scientific Conference, University of Ghana Medical School, College of Health Sciences, La Palm Royal Beach Hotel, Accra, Ghana.

## **Presentations**

- Oral:** Background mutations for the polymerase gene of HIV from treatment of naïve clients at the Fevers unit (FU), Korle Bu Teaching Hospital, Accra, Ghana.
- Poster:** The relevance of viral bioinformatics in clinical practice.

## Publications

### Prof. Mercy J. Newman

- Suppurative corneal ulcers in Ghana: outcome of management. Akuako M., Hagan, M, Leck, A. K., **Newman, M. J.**, Johnson, G. J. G.M.J 2003, 128–132.
- Multiple resistant Salmonella in Accra, Ghana. Mills - Robertson, F.C, **Newman, M. J.**, Mensah, P, Addy, M. E. GMJ 2003, 165–169.
- Antibiotic susceptibility patterns of Vibrio cholerae isolates in Ghana. **Newman, M. J.**, Mensah, P, Adjei, O., Asamoah-Adu, A., Adu-Sarkodie, Y and Apeagyei, F. G.M.J 2004, 38 :72–74.
- Prevalence of Potential pathogens in the lower genital tract at manual vacuum aspiration for incomplete abortion ( in press).

### Dr. P. F. Ayeh-Kumi

- Adjei A. A., Adiku T, **Ayeh-Kumi P. F. et al.**, Prevalence of antibodies to Human T-Lymphotropic virus Type 1 among Blood donors in Accra. *Ghana Medical Journal*. **2003**; 37: 133–136.
- **Ayeh-Kumi P. F. et al.**, 2004. Amoebiasis: a re-emerging infectious disease. Proceedings of the First Annual Scientific Conference, University of Ghana Medical School, May, 2004.

### Prof. Julius A. A. Mingle

**First Annual Scientific Conference, UGMS, La Palm Royal Beach Hotel. 12th–14th May 2004.**

#### Abstracts

- Abstract No. 036, p43.  
Sagoe, K. W. C., Dwidar, M., Agyei, A. A., **Mingle, J. A. A.**, Lartey, M., Boamah, I., Adiku, T. K. and Arens, M. Q. Background mutations for the polymerase gene of HIV from treatment naïve clients at the Fevers Unit Korle Bu.
- Abstract No. 038, p45.  
Sagoe, K.W.C, **Mingle, J. A. A.**, Adiku, T. K., Arens, M. The relevance of viral bioinformatics in clinical practise.
- Abstract No. 038, p45.  
Boateng, A. A., Agyei, A. A., **Mingle, J. A. A.**, Neequaye, A. R., Lartey, M., Adiku, T. K., Adjei, A. A., Aidoo, M., Sagoe, K. W. C. Frequency of HIV serological discordant couples at the Korle-Bu Teaching Hospital (KBTH): implications for therapeutic development and counselling.
- Abstract No. 039, p46.  
**Mingle, J. A. A.**, Agyei, AA, Darko, F, Boamah, I., Adiku, T.K, Sagoe, K. W. C. Dynamics of dual HIV-1/HIV-2 seropositivity at the Fever Unit (FU), Korle-Bu Teaching Hospital: implications for antiretroviral treatment.

### Dr. T.K. Adiku

- Adjei A. A., Armah A., Duah O. A., **Adiku T.**, Hesse I. F. A. Evaluation of a Rapid Serological Chromatographic Immunoassay for the Diagnosis of Pulmonary Tuberculosis in Accra, Ghana (2003). *Japanese Journal of Infection Diseases*, 56, 161–164.

**First Annual Scientific Conference, UGMS, La Palm Royal Beach Hotel. 12th-14th May, 2004**

**Abstracts**

- Abstract No. 020, p27.  
**Adiku, T. K.**, Armah, G. E, Rodrigues, O. etal. Aetiology of Acute lower Respiratory Tract Infections Among Children under Five years in Accra, Ghana. UGMS
- Abstract No. 036, p43.  
Sagoe, K. W. C., Dwidar, M., Agyei, A. A, Mingle, J.A.A, Lartey, M, Boamah, I, **Adiku, T. K.** and Arens, M. Q. Background mutations for the polymerase gene of HIV from treatment naïve clients at the Fevers Unit (FU), Korle-Bu Hospital, Accra, Ghana.
- Abstract No. 037, p44.  
Sagoe, K. W. C., Mingle, J. A. A., **Adiku, T. K.**, Arens, M. The relevance of viral bioinformatics in clinical practise.
- Abstract No. 038, p45.  
Boateng, A. A., Agyei, A. A., Mingle, J. A. A., Neequaye, A. R., Lartey, M., **Adiku, T. K.**, Adjei, A. A., Aidoo, M., Sagoe, K. W. C. Frequency of HIV serological discordant couples at the Korle-Bu Teaching Hospital (KBTH): implications for therapeutic development and counselling.
- Abstract No. 039, p46.  
Mingle, J. A. A., Agyei, A. A., Darko, F., Boamah, I., **Adiku, T. K.**, Sagoe, K. W. C. Dynamics of dual HIV-1/HIV-2 seropositivity at the Fever Unit (FU), Korle-Bu Teaching Hospital: implications for antiretroviral treatment.

**Mr. K. W. C. Sagoe**

- Postma M.J, **Sagoe, K. W. C**, Dronkers F., Sprenger, H. G., de jong- van den Berg LTW, Beck E.J. Cost-effectiveness of antenatal HIV-testing: reviewing its pharmaceutical and methodological aspects. Expert Reviews in Pharmacoeconomics and Outcomes Research 2004; 3: 521-528.

**First Annual Scientific Conference, UGMS, La Palm Royal Beach Hotel. 12th-14th May, 2004**

**Abstracts**

- Abstract No. 036, p43.  
**Sagoe, K. W. C.**, Dwidar, M., Agyei, A. A., Mingle, J. A. A, Lartey, M., Boamah, I., Adiku, T. K. and Arens, M. Q. Background mutations for the polymerase gene of HIV from treatment of naïve clients at the Fevers Unit (FU), Korle-Bu Hospital, Accra, Ghana.
- Abstract No. 037, p44.  
**Sagoe, K. W. C.**, Mingle, J. A. A., Adiku, T. K., Arens, M. The relevance of viral bioinformatics in clinical practise. UGMS.
- Abstract No. 038, p45.  
Boateng, A. A., Agyei, A. A., Mingle, J. A. A., Neequaye, A. R., Lartey, M., Adiku, T. K., Adjei, A. A., Aidoo, M., **Sagoe, K. W. C**. Frequency of HIV serological discordant couples at the Korle-Bu Teaching Hospital (KBTH): implications for therapeutic development and counselling.
- Abstract No. 039, p46.

Mingle, J. A. A., Agyei, A. A., Darko, F, Boamah, I., Adiku, T. K., **Sagoe, K. W. C.** Dynamics of dual HIV-1/HIV-2 seropositivity at the Fever Unit (FU), Korle-Bu Teaching Hospital: implications for antiretroviral treatment.

## **Extension Work**

### **Prof. Mercy J. Newman**

- Editor Ghana Medical Journal.
- Advisory Board Member, Prisons Ministry, Ghana.
- External Examiner in Microbiology-School of Medical Sciences KNUST, Kumasi.
- Examiner, West African College of Physicians.
- Member-National Advisory Experts Committee on Management of MDR-TB.
- A member of a review team to access clinical services in the health sector in Ghana

### **Dr. P.F. Ayeh-Kumi**

- Pastor: Covenant Cathedral Church (Accra).
- Tutor, Legon Hall, University of Ghana.
- 2nd Vice President: Ghana Association of Biomedical Scientists (GABMS)
- Reviewer:
  - i. Ghana Medical Journal (2001 –date).
  - ii. American Society of Tropical Medicine and Hygiene (2003 – date).
  - iii. Ghana Journal of Agricultural Science (2003 – date).

### **Prof. J. A. A. Mingle**

- External Examiner – M.Phil Thesis DthTH October 2003.
- Internal Examiner M.Phil, Department Pathology School of Graduate Studies. University of Ghana. August, 2003.

### **Dr. T. K. Adiku**

- Member, Ghana National Polio Expert Committee (MOH/WHO) for Eradication of Polio from African Sub-Region.
- Member, Anti-HIV/STD Microbicides Advocacy Committee of Pro-Link Organisation, Accra.

### **Mr. K. W. C. Sagoe**

- Advisory Board Member, Prison Ministry, Ghana.
- Board of Reviewers, First Annual Scientific Conference, University of Ghana Medical School. College of Health Sciences, La Palm Royal Beach, 12th–14th May, 2004.

## **Visitors**

- Dr. John Sykes, Head of Medical GlaxoSmithKline International
- Dr. Peter Hale, Georges Pompidou European Hospital, Paris.

## Collaborations

- Washington University Medical School in establishing and HIV/HCV testing laboratory.
- Calypte Inc., Alameda, CA, USA to test the ability of a new rapid assay to detect HIV antibodies in urine of HIV infected patients.
- Groningen Research Institute for Drug Exploration/University of Groningen Research Institute of Pharmacy (GUIDE/GRIP), Groningen, Netherlands, to look at the pharmaco-economic evaluation of blood transfusion safety in Ghana with respect to HIV infections.
- Immunology Unit, Centre For Disease Control, Atlanta, USA.

## DEPARTMENT OF PATHOLOGY

The academic year 2003/2004 was a very busy and challenging one for the Department. There was an increase in the number of all groups of students the Department taught. The department managed to cope with the increased workload and all research works due for completion in the academic year were duly completed.

There has been no change in the staff strength of the department. Our service workload in cytology, histopathology and autopsy pathology increased slightly.

All Senior members were heavily involved in extension services both in Ghana and the West African Sub Region, and have served on various committees of the University of Ghana Medical School (UGMS), School of Allied Health Sciences (SAHS), College of Health Sciences (CHS), the University and Ministry of Health.

### Courses offered

The Department offered the following courses:

1. B.Sc. Medical Sciences and MB Ch.B (Parts I and Part II) in such areas as General Pathology, Systemic Pathology, Forensic Pathology and Autopsy Pathology-UGMS.
2. BA/B.Sc Nursing Level 300 Human Biology-School of Nursing.
3. B.Sc Laboratory Science -School of Allied Health Sciences.
4. M.Phil in Biomedical Science – Pathology.
5. Courses for residents of the West African College of Physicians and Surgeons.

### Student numbers

Course		Number of students
1. Level 400 B.Sc Med. Sc.	–	101
2. BA/B.Sc Nursing, NUR 301	–	88
3. M.Phil Biomedical Sciences	–	2

4.	Level 200 SAHS	-	24
5.	Level 300 SAHS	--	19
6.	Level 400 SAHS	-	1
7.	MB. ChB (Part I) Forensic Pathology	-	124
8.	MB. ChB (Part II) Autopsy Pathology	-	89
9.	Post-graduate (Residency) programme	-	5

The Department successfully completed all academic programmes for the year. Professor J. O. Ogunbiyi from the Department of Pathology, University College Hospital, University of Ibadan, Ibadan, Nigeria was our external examiner.

## Staffing Position of the Department

### Senior Members

1.	Dr. Y. Tettey	-	Senior Lecturer/Head of Department
2.	Prof. A.B. Akosa	-	Professor - On leave of absence
3.	Prof. E.K. Wiredu	-	Associate Professor - Also Dean of School of Allied Health Sciences
4.	Prof. A.A. Adjei	-	Associate Professor
5.	Dr. R.K. Gyasi	-	Senior Lecturer/Hostel Master

### Senior Staff

1.	Mr. Fred Dzormeku	-	Superintendent Technologist
2.	Mr. E.A. Marley	-	Chief Technician - on post-retirement contract
3.	Mr. K. Malm	-	Principal Technician- on post-retirement contract
4.	Mr. B.K. Archer	-	Senior Technician

### Junior Staff

1.	Mrs. Emelia Abbeyquaye	-	Clerk Grade I
2.	Ms. Gertrude Lodonu	-	Clerk Grade II
3.	Mr. S.K. Mensah	-	Laboratory Assistant Grade II
4.	Mr. Moses Abbey	-	Messenger

## Research Activities

There has been a lot of research activities in the Department. On- going research from the previous year were pursued and new protocols were submitted for approval and ethical clearance.

The following research works have been completed, some in collaboration with other Departments/Institutes of the University and thesis/reports/papers were prepared and submitted for assessment/publication.

- Chemokine mediators in Cerebral Malaria.
- Prospective survey of *Cryptosporidiosis* in children with or without diarrhoea.
- Study of transfusion transmitted pathogens among blood donors.

- Multidisciplinary case control study of Malaria pathogenesis and Immunity in Ghana.
- Prevalence of Human immunodeficiency virus, Hepatitis B virus, Hepatitis C virus infections, Syphilis, Tuberculosis among inmates and officers of prisons in Accra.

### Continuing Research Activity

- Ghana Prostate Health Study
- Breast Cancer
- Oral tumours in Ghana
- Placental Pathology in Low birth weight babies delivered at Korle Bu Hospital.
- Postmortem as an epidemiologic tool

### Publications

- **Wiredu, E. K., Tettey, Y.:** Still births at Korle Bu Teaching Hospital: Characteristics of parents. Pregnancy and labour. Ghana Med. J 2004; 38(1): 15-19.
- Sarfo, B. Y, Singh, S, Lillard, J. W, Quarshie, A, **Gyasi, R. K.**, Armah, H., **Adjei, A. A.**, Jolly, P, Stiles, J. K. The cerebral-Malaria-associated expression of RANTES, CCR3 and CCR5 in post mortem tissue samples. Annals of Tropical Medicine & Parasitology 2004; 98(3): 297-303
- Teye, K., Quaye, I.K.E, Koda, Y., Soijima, M., Tsuneka, M., Pang, H., Ekem, I., Amoah, A.G.B, **Adjei, A. A.** Kimura, H. A-61C and C-101G Hp gene promoter polymorphisms are, respectively, associated with ahaptoglobulinaemia in Ghana. Clin Genet 64; 439-443, 2003.

### Articles in Press

- Teye, K., Quaye, I. K. E., Koda, Y., Soijima, M., Tsuneka, M., Pang, H., Ekem, I., Amoah, A. G. B., **Adjei, A. A.** Kimura, H. A novel 1247T missense mutation in the haptoglobin 2  $\alpha$ -chain decreases the expression of the protein and is associated with ahaptoglobinemia. Human Genet 2004.
- Armah, H., Dodoo, A., **Wiredu, E. K., Adjei, A. A., Tettey, Y., Gyasi, R. K.:** Maximal Cerebral Expression of Cytokines and Adhesion Molecules in Fatal Human Cerebral Malaria. International Journal of Environmental Research and Public Health.
- **Adjei, A. A.**, Armah, H., Rodrigues, O., Renner, L, Boeketey, P., Ayeh-Kumi, P., Adiku, T. K., Sifah, E., Lartey, M. *Cryptosporidium spp.*, a frequent cause of diarrhoea among children at the Korle Bu Teaching Hospital, Accra Ghana. Japanese Journal of Infectious disease.

### Abstracts

- **Adjei, A. A., et al.** Prevalence of human immunodeficiency virus infection among tuberculosis suspect patients in Accra, Ghana. 1st meeting of the Ghana AIDS Commission, pp.16,2004.

- Domfeh, A. B., **Adjei, A. A., Wiredu, E. K., Tettey, Y.** and Attoh, S. A. The prevalence of Cervico-vaginal Human Papilloma virus in women visiting the Gynaecology Department of the Korle-Bu Teaching Hospital. Abstract Booklet. First Annual Scientific Conference of University of Ghana Medical School, College of Health Sciences. 12th-14th May, 2004. Page 26.
- Seidu, M. A, **Wiredu, E. K., Adjei, A. A.** Assessment of the viability of adult onchocerca volvulus in tissue sections using histochemical demonstration of lactate dehydrogenase activity. First Annual Scientific Meeting of the University of Ghana Medical School, Korle Bu Accra. 12th-14th May, 2004 pp.47. La Palm Royal Hotel, Accra.
- Aboagye, B, **Tettey, Y., Adjei, A. A., Wiredu, E. K.** The prevalence of Hepatitis B and C virus infection among Liver Cirrhosis Patients at the Korle-Bu Teaching Hospital, Accra, Ghana. Abstract booklet, First Scientific Conference of the University of Ghana Medical School, College of Health Sciences. 12th – 14th May, 2004. Page 63. La Palm Royal Hotel, Accra.
- **Adjei, A. A.,** Armah, H., Dodoo, **Wiredu, E. K.,** Quakyi, I. Cytokine and adhesion molecule expression in the brain in human cerebral malaria. First International Symposium on Recent Advances in Environmental Health Research. 19th-22nd September, 2004, pp 83. Mariot Hotel, Jackson Mississippi, USA.

### **Conferences/Seminars/Extension services**

Senior Members continue to be very active in the West African College of Physicians (WACP). Dr. Tettey continued to serve as Chief Examiner for the Faculty of Laboratory Medicine. Prof. Wiredu continued to serve as the Chairman of the Faculty of Laboratory Medicine and Dr. Gyasi continued to serve as the Secretary of the Faculty of Laboratory Medicine Ghana Chapter.

Prof. E. K. Wiredu and Dr. R. K. Gyasi were external examiners for the Department of Pathology, School of Medical Sciences KNUST, Kumasi.

Prof. Wiredu and Dr. Gyasi examined at the final Part I level of the WACP examinations in Faculty of Lab Medicine.

Dr. Y. Tettey continued as examiner in Histopathology for the primary examinations of the West African College of Surgeons, (WHCS).

Prof. Wiredu, Drs. Tettey and Gyasi attended the 27th Annual General and Scientific Meeting of the West African College of Physicians in Accra from 17th to 20th November, 2003.

Prof. Wiredu, Prof. Adjei, Dr. Tettey and Dr Gyasi participated in the First Annual Scientific Conference of the UGMS at La Palm Royal Beach Hotel, 12th-14th May, 2004. Drs. Tettey and Gyasi presented papers on 'Autopsy requests' and 'Medical certificate of cause of Death' respectively.

Dr. Gyasi participated in a continuing medical education programme of the Ghana Medical Association in Accra on 17th June, 2004 and presented a paper on 'Respiratory causes of death at the Korle Bu Teaching Hospital'

Dr. Gyasi presented a paper on 'Cardiovascular causes of death in Accra' at the continuing Medical education seminar of the faculty of Family Medicine, WACP in Accra, July 17, 2004.

Prof. Adjei attended the First International Symposium on Recent Advances in Environmental Health Research at Mariot Hotel, Jackson, Mississippi, USA. 19th – 22nd September, 2004.

Prof. Adjei attended a three-day conference on HIV/AIDS Research at La Palm Royal Beach Hotel, Accra Ghana. 11th–13th February, 2004.

## **DEPARTMENT OF PHARMACOLOGY**

### **Overview**

The 2003/2004 Academic Year was uneventful, permitting the Academic Programme to be completed on schedule. The Department did not register significant growth and development. The 10 credits assigned to Pharmacology does not commensurate with the scope of the subject matter and, therefore, the Department continued to negotiate for two extra credits.

The students' performance in the BSc. (Medical Science) Level 400 Pharmacology Examination was about equal to that of last year though poorer than those between 1994 and 2000 academic years. Out of 105 candidates presented for the Final Examination, 93(88%) passed with 5(5%) gaining distinction while 13(12%) gained credit. Two of the 12(11%) candidates that failed had to repeat the class. The percentage distribution of distinction and credit compared favourably with that between 1994 and 2000 academic years whilst the percentage failure was higher – 11% as against 1–2%. It is the considered opinion of the Department that the rather high percentage failure can be attributed to decreased teacher-student contact time. Between 1994–2000 academic years, the Department carried 12 credits (6 credits/semester) which was reduced to 10 credits in 2001/2002 academic year. In the same academic year, the Administration also phased out the P-drug concept course, culminating in 23% failures which reduced to 13% in last academic year (2002/2003) when the P-drug concept course was reintroduced. It seems the decreased contact time with students does not favour the weak students; hence, the Department's persistent request for re-assignment of the extra 2 credits.

The year started and ended with an academic staff strength of seven – 2 full time, 2 full-time post-retirement contract, 2 part-time post-retirement contract and 1 part-time. One of the 2 full-time and the part-time academic staff are due for retirement 3 years hence. The age profile thus portends a gloomy future for the Department. It is ironic that the proposal for local training of academic staff submitted by the Department in 1996 was scuttled by the Administration. The alternative proposal imposed on the Department has not been effective to forestall the gloomy future. It is imperative that the proposal submitted by the Department is revisited.

The technical unit remains understaffed. The four technicians at post have to prepare and set-up equipment for practicals class size of 105 students which is expected to increase to about 140 in 2004/2005.

The only M.Phil student completed the course and successfully defended his thesis. It is worth noting that the student had to be sponsored in the final year by the Supervisor even though the student was qualified for scholarship administered by the Scholarship Committee of the College of Health Sciences. Because of the unsurmountable problems encountered, difficulty in getting suitable applicants, and very low cost-effectiveness of running the current M.Phil programme, the Department had to suspend the programme and hence the effort to replace the ageing academic staff.

The acquisition of few teaching equipment in the year helped reduce the number of students per practical set-up ratio. This reflected in improved performance in the practicals and oral examination. However, the Department still lacks research equipment which is hampering research activity. Our research equipment requirements have been submitted to GETFund and it is our fervent hope to receive a favourable response.

#### **Staffing Position of Department as at September 2004**

(a) Academic/Research Staff	7
(b) Senior Staff	4
(c) Junior Staff	2

#### **Course Taught/Number of Students**

<b>Course</b>	<b>Number of Students</b>
<b>Medicine</b>	
B.Sc. (Medical Science) Level 400	92
<b>Dentistry</b>	
B.Sc. (Medical Science) Level 400	13

#### **Research in the Department**

- (a) Screening of medicinal plants for their therapeutic potential.

- (b) Screening of foods of animal origin for antimicrobial residues.
- (c) Anti-malarial sensitivity testing.

## Publication

- A.C. Sackeyfio (2003) USES OF DRUGS AND MEDICINES, Ghana Health Digest 3.2:20–22.
- A.C. Sackeyfio (2003) Harmful Effects of Drugs, Ghana Health Digest 3.3:29–34.
- A. C. Sackeyfio (2004) Drugs and Sexual Activity, Ghana Health Digest 4.1:35–40
- A.C. Sackeyfio (2004). Drugs and Food, Ghana Health Digest 4.3:22–24.

## Conferences/Seminars/Workshops

- **Dr. A. B. A. Prempeh**  
Workshop on Teaching Methods, February 25–27, 2004, College of Health Sciences, Korle-Bu.
  - First Annual Scientific Conference of University of Ghana Medical School, May 12–14, 2004, La Palm Royal Beach Hotel, Accra.
  - WACIPAC Policy Maker Workshop, June 17–19, 2004, Noguchi Memorial Institute for Medical Research, University of Ghana, Legon.
- Prof. Arthur C. Sackeyfio – Government and Hospital, Pharmacists Association (Ghana) Annual General Conference. 4th December, 2003. Accra, Ghana.

**Paper Presented:** Evidence Based Pharmacare, A challenge To Public Sector Pharmacist.

- First Scientific Meeting of West Africa Network of Natural Products Research Scientists. 15–20 August, 2004. Chairman of Scientific Session, Accra, Ghana.
- All Africa Traditional Medicine Day Symposium Chairman of Symposium Accra, Ghana. 31 August, 2004.

## Benefactions

Agria Machinery Co. Ltd. contributed the sum of nine hundred thousand cedis (¢900,000.00) towards the purchase of a vacuum cleaner.

## Visitors

Prof. A. Sowunmi of Pharmacology Department, University of Ibadan, Nigeria, served as External Examiner for the B.Sc. (Medical Science) Level 400 Examination in Pharmacology.

# DEPARTMENT OF PHYSIOLOGY

## Overview

The department has fewer senior members than this time last academic year. Only two (2) regular senior member appointees are currently at post with the other now on post-retirement contract. The outlook is not very bright due to the perennial issue of lack of attractive conditions of service, especially for us in the Basic Sciences. A significant percentage of our medical graduates would rather specialize in the clinical departments where the grass is greener as it were. We believe that with a policy to attract young graduates into our Basic Sciences in place, there is little doubt that the situation will be turned around. As it is now lecturers serving in clinical department, are offered additional remuneration. Those with same basic qualifications but serving in other departments are left out. Lecturers serving in the Basic Sciences without medical degrees are the worst off. These disincentives must be addressed quickly to stop the Basic Sciences departments from collapsing completely.

The Department's quest to use ICT in boosting teaching and learning is on-going. Our goal is to simulate all animal experiments using electronic media and use ICT for teaching, research and student self study.

In conclusion, we wish to renew our appeal to all stakeholders and well wishers to join us in making the department the pillar of medical training it is supposed to be.

## Courses Taught/Number of Students

### B.Sc. (Medical Science) Level 300

Courses	No. of Students
PHYG. 301	136
PHYG. 302	136
PHYG. 304	136
PHYG. 306	136

### School of Allied Health Sciences, Level 200

Medical Lab Sciences	17
Radiography	10
Physiotherapy	25
<b>Total</b>	<b>52</b>

### MPhil

PHYG. 601	2
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## FWACS/FWAP Revision Primary Course

### Current Staff Position

#### Academic/Research (3)

Dr. D.A. Antwi Department	-	Senior Lecturer & Head of
Prof. F.K. Adzaku	-	Associate Professor
Dr. K.K. Atsina	-	Senior Lecturer

#### Senior Staff (5)

Isaac Ekow Ennin	-	Principal Research Assistant
Michael N.K. Clottey	-	Chief Technician
Kumi Obuadabeng Larbi	-	Principal Technician
Gloria Dzata (Mrs.)	-	Technician
Yvonne John-Teye	-	Administrative Assistant

#### Junior Staff (1)

Eric Kwade	-	Messenger/Cleaner
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### Current Research Areas

- Growth pattern in Ghanaian children
- Pathophysiology of sickle cell disease
- Regulation of energy balance

### Publications

- Asiedu, Gyekye I. J., and **Antwi, D. A.** Cerebroprotection: A study using angiotensin antagonists. *West African Pharmacy Journal*, 2003, 17(1):50-55

### Conferences/Seminars

- Members presented papers at the 1st University of Ghana Medical School Research conference held at La Palm Royal Beach Hotel, Accra from 12th-14th May, 2004. The theme of the conference was "Research and Medical Practice".
- Members attended the 9th Biennial conference of the Ghana Science Association held at the University of Cape-Coast from 7th - 9th July, 2004. The theme of the conference was "The Plastic Waste Menace".

### Benefaction

Our department was able to secure some funds in sponsorship from Prudential Bank towards establishing a computer lab to promote teaching and learning activities. We expect more corporate bodies to come on board in this effort this academic year. Meanwhile, we are very grateful to the management of Prudential Bank Limited.

# DEPARTMENT OF PSYCHIATRY

## Overview

The Academic Department of Psychiatry has moved to the main Korle-Bu campus of the Medical School.

The old Medical Illustration Building which had been renovated was handed over to the Academic Department in October, 2003 and some members of staff moved in in January, 2004.

Currently, the Department operates only on out-patient basis. Clinical Teaching still takes place at the Accra Psychiatric Hospital where the majority of our patients are based. It is hoped that very shortly the Department will be allocated beds at Korle-Bu.

## Staff

The staffing situation remains much the same even if not on the low side.

Currently, a rather overaged senior members, the majority of whom are on post-retirement contract are holding the fort.

Prof. F. Y. Attah Johnson has resigned from the Department. Dr. Isaac Ewusi-Mensah has not as yet returned from his annual leave. He was being expected in September, 2003.

## Clinical Psychology

Dr. Araba Sefa-Dedeh is on leave of absence having spent her time on National Assignment. Dr. Mrs. Angela Lamensdorf Ofori-Atta is also on leave of absence and currently Deputy Minister. This leaves the Clinical Psychology Unit rather bare. The Unit is being managed by a Part-Time Lecturer, Ms. Dinah Baah-Odoom and Senior Research Assistant, Mr. Alfred Nortey Dua. Efforts are being made to interest young doctors in the field of Psychiatry and Clinical Psychology. So far there has been no positive results. An advert placed in the papers on the 20th October, 2004 have not yielded any results. But unfortunately student numbers continue to increase.

## Number of Students

Level 300	-	110
Level 600	-	124
Level 700	-	97
<b>Total</b>	<b>-</b>	<b>331</b>

## Research

Most senior members are carrying out Research of their special interest.  
1A:

## Collaborating with Developing Countries in Psychiatric Research

Dr. Victor Doku & Rosemarie Mallett, London, UK, May, 2003.

British Journal of Psychiatry, 182, 188–189.

Patel, M. X., **Doku, V.**, Tennakoon, L., (2003) *Challenges in Recruitment of research participants.*

Advances in Psychiatric Treatment Vol. 9, 229-238

Fannon, D., Simmons, A., Tennakoon, L., O'Ceallaigh, S., Summich, A., **Doku, V.**, Shew, C., Sharma, T. (2003) *Selective deficit of Hippocampal N-Acetylaspartate in Antipsychotic-Naive patients with schizophrenia* Biological Psychiatry 54: 587-598

Ettinger, U., Chitnis, X. A., Kumari, V., Fannon, D. G. F., Sumich, A. L., O'Ceallaigh, S., **Doku, V. C.**, Sharma, T. (2004) *Volumetric Neural Correlates of Antisaccade Eye Movements. Altered Structure-Function relationships in First Episode psychosis.* American Journal of Psychiatry.

Accepted for publication 4-3-2004 (AJP 03-12-0387.R1).

## Conference Presentations

**Doku, V. C. K. & Hotopf, M. M.**, A *Systematic Review of Psychiatric Epidemiology in Ghana.* Paper presented Scientific Session, Inauguration of Ghana College of Physicians and Surgeons, 8th December 2003.

**Doku, V. C. K.**, Weobong, B., Zandoh, C., Amenga-Etego, S., Akpalu, B., *Challenges in the baseline enumeration of mental disorders in Kintampo Demographic surveillance site.* Poster presentation at the first annual scientific research conference of the University of Ghana Medical School, Accra 12th–14th May, 2004.

Dordoye, E., **Doku, V. C. K.** Use of alcohol among Accident Victims at Korle-Bu Teaching Hospital. Poster presentation at the first annual scientific research conference of the University of Ghana Medical School, Accra 12th–14th May, 2004.

**Doku V. C. K.** Psychiatric Aspects of Headache, Paper presentation, First Annual Scientific research conference of the University of Ghana Medical School, Accra 12th–14th May 2004.

**Doku V. C. K.** *Bridging the Mental Health Gap through the INDEPTH network.* Plenary presentation at International Federation of Psychiatric Epidemiology, University of Bristol, 10–13th September 2004. Participant, Legon-Trondheim NUFU Linguistics Project, Annual Colloquium and Workshop, University of Ghana, Legon, 12–16th January, 2004.

## Publication

A Chapter in "The Layman's Guide to Health": Edited by Professors E. B. Badoe and S. K. Owusu.

Professor S. N. A. Turkson – continues as moderator and external examiner in Psychiatry at the School of Medical Sciences (SMS), Kwame Nkrumah University of Science & Technology (KNUST), Kumasi.

## DEPARTMENT OF RADIOLOGY

### Overview

Academic work comparatively improved with the appointment of two new full time lecturers who completed their specialist programme in October, 2003. The third who is currently in the USA has still not decided if he will join the university or not.

Their presence has tremendously reduced the burden to acceptable levels. Equipment situation improved on one front following the donations of two colour Doppler machines from Jefferson University in the USA and a third one presented to the Department by the Chief Administrator.

This had made us decide to even give some training to the radiography students of the School of Allied Health as soon as they are able to incorporate it into their academic curriculum.

We are still looking forward to the time when the department will be properly staffed.

### Staffing Position

Academic/Research	3	-	Dr. A. A. Yeboah	-	Lecturer
			Dr. E. M. Ogoe	-	"
			Dr. E. K. Brakohiapa	-	"
Senior Staff			Nil		
Junior Staff	1	-	Felix Appiah		

### Residents in Training

4th Year	-	2
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3rd Year	-	2
2nd Year	-	9
1st Year	-	1
<b>Total</b>		14

## Research

### Jumah, K. B.

- Bone Age Atlas in West Africa
- Atlas in Tropical Radiology

### Yeboah, A. A.

- A correlation between intracerebral ventricular system and ageing.
- Sellar lesions in Ghana.
- Comparatively narrowed intracerebral ventricular system in Adults.

## Publications

- Medulloblastoma – The benefits of early diagnosis and management a case report
- Lumbar spondylolisthesis – A 100 week study of a component of low back pain and associated ailment at the Korle Bu Teaching Hospital
- Imaging modalities in Rheumatoid arthritis

## Conferences/Seminars/Workshops

- ECR meeting in Vienna, Austria – 4th–9th March 2004.

# DEPARTMENT OF SURGERY

## Overview

The Department of Surgery has as its main objectives teaching of both undergraduates and post-graduates and conducting research. A lot of time is spent for extension service for Korle bu Teaching Hospital, and for some other hospitals outside Accra.

## Staffing Situation

- Professors (1)
- Associate Professors (1)
- Senior Lecturers (5)
- Lecturers (16)

Part Time ART TIME (Professors (1) Senior Lecturers (2) Lecturers (1)  
Emeritus Professors (1)

## Causes Taught and Number of Students

The Department continued to teach both undergraduate and postgraduate students. We continue to receive a high number of foreign students who chose to do the whole or part of their rotation in surgery in our department. The countries where these students came from included USA, Austria, Nigeria, Germany, Ireland, Sierra Leone, Switzerland, Netherlands, Finland and South Africa. The following are the group of students in the department of Surgery:

Course	Number of Students
Co-ordinated course in Surgery/Medicine/Community Health, Applied pathology and Specials	89
Sub-internship course	88
Dental Students	14

## Publications

- Amanquah, S. D., Darko, R., Maddy, S. Q. and Duah, O. A. Faecal pancreatic elastase-1 a non invasive measure of exocrine pancreatic function. *West African Journal of Medicine* 2004 vol 20 No 3 p240-244.
- Jumah, K. B., Obajimi, M. O., and Darko, R. Women with painful breasts without palpable masses: Do they really need a mammogram? *Afr J Med Sci* (2003) 32, 387-389.
- Clegg-Lamptey, J. N. A., Naaeder, S. B. Appendicitis in Accra: a contemporary appraisal. *GMJ* 2003: 3; 37, 52-56.
- Dakubo, J. C. B., Ohene-Yeboah, M., Naaeder, S. B. Blunt abdominal trauma as seen in two teaching hospitals in *Ghana Afr J. Trauma* (In press).
- Badoe, E. A., Apeadu-Mensah, W., Hesse, A. J. Daily water, sodium and potassium excretion in urine in Ghanaians. *WAJM* ( In press).

## Papers Presented at Conferences

At the 44th conference of the West African College of Surgeons held in Banjul Gambia from the 22nd to the 29th February, 2004, the following papers were delivered:

- Darko, R., Aduful, H. K., Archampong, E. Q., Gallstone and the bile duct
- Darko, R., Aduful, H. K., Archampong, E. Q., Carcinoma of the rectum occurring in a longstanding fistula in ano.
- Hesse, A. J., Complications of Paediatric gastrointestinal surgery.
- Akafo, S. Management of congenital cataract in West Africa.
- Kitcher, E. D., Yarney, J., Gyasi R. K. Nasopharyngeal cancer in Ghana, Review of cases in Korle Bu Teaching Hospital.

## **Papers Presented at the 1st Annual Scientific Conference of the University of Ghana Medical School, 12-14 May, 2004. The Theme was 'Research and Medical Practice'**

- Darko, R., Aduful, H. K. , Archampong, E. Q. – Gallstone and the bile duct.
- Darko, R., – Cancer trends, Surgical perspective.
- L. A. Sereboe – Severely traumatized child- Surgical considerations.
- T. K. Dakurah – Neurosurgical considerations.
- T. K. Dakurah – A problem of headache, surgical aspects.
- M. I. Idrissu, T. K. Dakurah, G. K. Wapeba, A. E. Abdulai, K. Vowortor – Cranioplasty using methyl methacrylate implant from Alginic impression and wax elimination technique.
- M. I. Idrissu, T. K. Dakurah, G. K. Wapeba, A. E. Abdulai, K. Vowortor – Anterior Titanium instrumentation in the treatment of cervical spine in diseases in Ghana.

### **Awards**

The University of Cape Coast conferred an honorary degree of DSc. on Prof. K. Frimpong-Boateng for his outstanding contribution to science.

The Ghana Medical Association conferred the title of "Fellow of the Ghana Medical Association (FGMA) on two of our senior members. These are Mr. B. A. Kuma and Mr. Rudolph Darko, Head of Department.

Dr. Mrs. Christine Ntim-Amponsah, was awarded M.Phil .

### **Promotions**

Mr. B N Baako was promoted to Senior Lecturer position.

### **Extension Service**

The Department of Surgery continued to offer extension service to Cape Coast and Sunyani Regional hospitals. Other hospitals that benefited from the extension service are Nkwanta in the Volta region, Akosombo hospital and the University Hospital, Legon.

### **Visitors to the Department**

The visitors to the Department included Prof Felix Durithy of the Division of Neurosurgery, University of Vancouver, Canada and his team, and Dr. Benjamin Anderson, Department of Surgery, University of Washington, Seattle, USA.

### **Accreditation Visit**

An accreditation visit was paid to Ophthalmology Unit by the West African College of Surgeons for postgraduate training.

## **Launching of book**

The book 'Health and Disease A layman's guide to Good Health' edited by Prof. E. A. Badoe and Prof. S. K. Owusu with contributions from 13 members of the Department of Surgery was launched.

## **MEDICAL SCHOOL LIBRARY**

### **Overview**

The Library did not see any appreciable growth in the year just ended. Its fortunes continued to be the same. The much talked about internet connectivity that was to facilitate learning and research did not materialise. The connectivity was very erratic and by the end of the academic year it ceased to exist.

### **Access to Literature**

#### **Journals**

The Library could not subscribe to journals for the period under discussion. It continued to receive 40 journals as gifts from individuals, institutions and societies.

#### **Access to Electronic Journals**

The Library continues to have access to some electronic journal databases both offline and online. The offline sources include the library's collection of OVID and EBSCO versions of MEDLINE on CD-ROM. The WHO's HINARI list of journals is the online source. This together with databases of the PERI (Programme for the Enhancement of Research Information) contains abstracts and full text articles. For quick bibliographic referencing, the Library has a download of the health and life sciences journals of the PERI project databases. The erratic internet connectivity, which by the end of the academic year became dysfunctional, adversely affected the training and use of these online electronic services.

#### **Books**

A total of 232 volumes made up of 116 titles were added to the book stock. These were mainly gifts from individuals, institutions and societies.

### **Services**

#### **Literature Search**

A total of 2820 major enquiries were received for services. Of these about 2400

electronic base literature searches were carried out mostly through MEDLINE on CD-ROM as online searches proved difficult or impossible due to the poor internet connectivity.

### **Computer Assisted Learning Centre (CALC)**

The Centre continued to teach staff and students basic computer skills and theory and also the use of the Internet. However, not much could be done in this area due to the poor internet connectivity.

Facilities at the Centre were offered to the Dental School and School of Allied Health Sciences in the training of their students.

Staff at the Centre also did some repair works on the computers and also from the Central Administration of the College of Health Sciences.

### **Computer Donations**

The WHO donated four (4) computers and four (4) UPS to the CALC through the College of Health Sciences Central Administration. One of the computers was found to be faulty and has been sent for replacement.

### **Library Strategic Plan**

Within the wider context of the strategic plan of the College of Health Sciences, the Library has worked out a programme of action for the realization of the plan objectives with regards to the College's health information management and delivery. This programme outlines specific objectives and goals for the library to undertake within specific periods.

### **Curriculum Review**

The Library was part of a workshop on curriculum review organized by the UGMS. The library hopes to take up some teaching programmes on computer literacy to be added to the curriculum of the School. It is to be designed like the African Studies course, which is compulsory, and where a student shall be deemed to have passed the course in order to be eligible for the award of an MB CHB degree.

### **Benefactors**

Mr. Ketiboa Blay, Accra

Ghana Permanent Mission, Geneva

Mr. Ben Debrah, London

Mr. David Dosoo, Department of Chemical Pathology, UGMS

Dr. C.A. Klufio, UGMS

Dr. Melville George, WHO Representative, Ghana

Centre for Integrated Study of the Human Dimensions of Global Change,  
Pittsburgh, PA USA

Dr. S. Appiah-Anane, UK

Dr. Enoch Darko, Windsor, CT, USA

## **Conferences, Seminars, Workshops**

### **Aggrey, S. B.**

- Workshop on Proposal and Grant Writing. Organised by the College of Health Sciences. 1–3 October, 2003.
- Workshop on Bibliofile Software organised by the Cataloguing Department of the Balme Library.
- Workshop on Strategic Planning of Library Systems at Valley View University, Accra. 24th February, 2004.
- Orientation Programme for newly appointed Junior/Assistant Registrars. Organised by the University of Ghana.
- Workshop on Improving Teaching Methods for Academic Staff. Organised by College of Health Sciences, Korle Bu. 25–27 February, 2004.
- Research Dissemination Forum Workshop. Organised by the Ghana Health Service at Teachers' Hall, Accra. 9–11 March, 2004
- Workshop on Digitization organised by Colleges and Universities Affiliated Program – a partnership between University of Iowa and University of Ghana, Balme Library. 7–8 June, 2004.
- Seminar on Committee of University Librarians and their Deputies (CULD). University of Ghana. 28–30 July, 2004.
- SCAULWA/WALA 2003 Conference. Organised by SCAULWA/WALA. 3–7 November, 2003 at Erata Hotel, Okponglo, Legon, Ghana.

### **Sulemani, S. B.**

- Workshop on Improving Teaching Methods for Academic Staff. Organised by the College of Health Sciences, Korle Bu. 25–27 February, 2004.
- Workshop on Strategic Planning of Library Systems, Valley View University, Accra. 24 February, 2004.
- Workshop on Bibliofile Software. Organised by the Cataloguing Department of the Balme Library.
- Seminar on Committee of University Librarians and their Deputies (CULD). University of Ghana. 28–30 July, 2004.
- SCAULWA/WALA 2003 Conference. Organised by SCAULWA/WALA. 3–7 November, 2003 at Erata Hotel, Okponglo, Legon, Ghana.

### **Dzansi, S. A.**

- Workshop on Proposal and Grant Writing. Organised by the College of Health Sciences. 1–3 October, 2003.
- Workshop on Review of the Curriculum and Structure of the UGMS Programme. Agona Swedru. 11–15 November, 2003.
- Workshop on Digitization organised by the Colleges and Universities Affiliated Program – a partnership between University of Iowa and University of Ghana, Balme Library. 7–8 June, 2004.
- SCAULWA/WALA 2003 Conference. Organised by SCAULWA/WALA. 3–7 November, 2003 at Erata Hotel, Okponglo, Legon, Ghana.
- Seminar on Committee of University Librarians and their Deputies (CULD). University of Ghana. 28–30 July, 2004.

## Training Programmes

### Dzansi, S. A. (Assistant Librarian)

Database Management Systems Course. Hyderabad, India. 14 January–25 March, 2004.

## Retirements

- Mr. D.B. Addo, Deputy Librarian, UGMS. Retired 31st July, 2004.
- Mrs. Amelia F. Adjepon-Yamoah, Assistant Librarian, UGMS. Retired 30th September, 2004.

## DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

### Overview

The department's main objective is to teach and train under-graduate medical students and post-graduate doctors. The department also offers obstetric and gynaecological services to patients who attend the Korle Bu Teaching Hospital. Some senior members still offer specialist services to the Legon Hospital. The department is working hard to render service to the public under the Faculty Practice, which will take off hopefully early next year.

### Courses Offered

The department offers courses at the MB ChB Final Part I (Level 600) and the Fellowship of the West African College of Surgeons (FWACS) Examination. In addition a three (3) year postgraduate course and a two (2) year Diploma in Obstetrics and Surgery have been established under the Ghana College of Physicians and Surgeons. The programme took off from 7th September, 2004. The department continues to offer training in the following for Medical Officers from all the regions.

- Obstetric Ultrasound
- Surgical Family Planning Procedures
- Manual Vacuum Aspiration (MVA)
- Visual Inspection of the Cervix with Acetic Acid (VIA)

### Students Numbers

Level 600	-	124
Post-graduates	-	30
Total	-	154

## Staffing Position

- 1 The break down is as follows:
- 2 Associate Professor
- 7 Senior Lecturers
- 5 Lecturers
- 2 Senior Staff
- 4 Junior Staff

Out of this number one Lecturer is on study leave.

## Research/Projects

- Twin pregnancies in Korle Bu Teaching Hospital
- Pattern of placentation
- Outcomes
- Deep Freezing of the cervix
- Vertical Transmission of HIV
- Post abortal contraception in Korle Bu
- Norplant contraceptive device – A ten year review at Korle Bu
- Anesthetic management of caesarean sections at the Korle Bu Teaching Hospital.
- A study of the prevalence of urinary incontinence among general gynaecology out patients at the Korle Bu Teaching Hospital.

## Publications

### Lassey, A. T.

- Title: Antenatal screening for syphilis in Accra: Is it useful? Is it worthwhile?  
Authors: Lassey, A. T., Damale, N. K., Bekoe, V., Welbeck, J., Klufio C.A.  
Place of publication: Ghana  
Date of publication: March, 2004.  
Ghana Medical Journal, Vol. 38, No.1, pages 20-23.
- Title: Potential pathogens in the lower genital tract at manual vacuum aspiration for incomplete abortion in Korle Bu Teaching hospital, Ghana.  
Authors: Lassey, A. T., Adanu, R. M. K., Newman, M. J., Opintah, J. A.  
Place of publication: Kenya  
Date of publication, August, 2004.  
East African Medical Journal, Vol. 1, No.7, pges 398-401.
- Title: trends in concurrent maternal and perinatal deaths at a teaching hospital in Ghana:  
The facts and prevention strategies.  
Authors: Lassey, A. T, Obed, S. A.  
Place of publication: Canada  
Date of publication: September, 2004.  
Journal of Obstetricians & Gynaecologists of Canada, Vol.26, No.9, pages 799-804.

### **Obed, S. A.**

- Title: Cervical prolapse during pregnancy  
Authors: Obed S. A., Adu-Darko Michelle  
Place of publication: Ghana  
Date of publication: December, 2003  
Ghana Medical Journal, Vol.37, No.4, Pges 173-175.
- Title: Trends in concurrent maternal and perinatal deaths at a teaching hospital in Ghana:  
The facts and prevention strategies  
Authos: Lassey, A. T., Obed S. A.  
Place of publication: Canada  
Date of publication: September, 2004  
Journal of Obstetricians & Gynaecologists of Canada, Vol.26, No.9, pages 799-804.

### **Seffah, J. D.**

- Title: Sonographic determination of uterine sizes in young Ghanaian women  
Authors: Seffah, J. D, Adanu, R. M. K.  
Place of publication:  
Date of publication:  
International Journal of Gynecology and Obstetrics, 2004 July 86 (1) 61-62.
- Title: Re-laparotomy after Caesarean section.  
Author: Seffah, J. D.  
Paper presented at the 43rd Annual Conference of the West African College of Surgeons, Banjul, Gambia, and February, 2004.
- Title: Women's Health in Accra – Screening for gynaecological cancer.  
Authors: Seffah, J.D, Adanu, R. M. K., Darko, R., Hill, A et al.  
Paper presented at ISSER, University of Ghana, Legon, in September, 2004.
- Title: HIV/AIDS – Trends in Prevention of Mother to Child transmission (PMTCT) at the Korle Bu Teaching Hospital.  
Authors: Seffah, J. D, Okaiteye, M.  
Paper presented at the Noguchi Memorial Institute for Medical research, University of Ghana, Legon, in October, 2004.

### **Prof. E.Y. Kwawukume**

- Trends in Eclampsia at Korle Bu Teaching Hospital, Accra, Ghana  
Nigerian Journal of Clinical Practice June, 2003, Vol.6 (1); 1-4

### **Conferences/Seminars Attended by Staff and Papers Presented**

- 1st Annual Scientific Conference organized by the University of Ghana Medical School 12th-14th May, 2004.
- National Safe Motherhood Training Workshop – June, 2004.
- WHO, Conference on Implementing Best Practices (IBP) – Uganda – July, 2004.
- IPAS, Conference on Provision of Safe Abortion Services in Ghana.
- 44th Annual Conference, West African College of Surgeons, Banjul, Gambia, Feburary, 2004.

# NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH

## Overview

The Institute's mission is to become a Centre for the training of researchers, as well as for tackling and solving the myriad of medical problems facing the country.

The broad objectives and mandate of the Noguchi Memorial Institute for Medical Research are:

- To conduct research into problems of public health importance in Ghana.
- To provide training opportunities for post-graduate students in Medical Research;
- To provide specialized laboratory diagnostic and monitoring services in support of public health programmes.

## Research

The Institute is strongly committed to research on national health priorities. It is involved in a number of research activities in collaboration with the Ministry of Health/ Ghana Health Service and other international health organisations. The Institute continued with the activities outlined in the Japan International Co-operation Agency (JICA) technical co-operation agreement covering research into the control of parasitic diseases in the West African sub-region with its headquarters in the Institute. Its research activities in the following areas continued:

### Parasitic Diseases

- Malaria
- Schistosomiasis
- Lymphatic filariasis
- Trypanosomiasis
- Cryptosporidiosis
- Toxoplasmosis
- Intestinal worm infestations

### Viral Diseases

- Poliomyelitis
- Viral Diarrhoeas
- HIV/AIDS

## **Bacterial infections**

- Tuberculosis
- Buruli Ulcer
- Sexually Transmitted Diseases

## **Non-communicable Health Problems**

- Nutrition
- Food safety
- Safe motherhood
- Metabolic Disorders
- Environment and Health
- Sickle Cell Disease
- Herbal Medicine

Practically, all these projects were funded by external agencies including WHO/TDR, DFID, USAID through FHI, International Fund Policy Research Institute (IFPRI), UNICEF, National Institutes of Health (NIH), United States Naval Medical Research Centre, ENRECA Programme of DANIDA, European Union, Wellcome Trust, Multilateral Initiative on Malaria (MIM), JICA, UNIDO, Bill and Melinda Gates Foundation, Human Science Foundation, AMANET, Phyto-riker etc. The Government of Ghana through GETFund is supporting research on Buruli Ulcer.

## **Training/Teaching Responsibility**

Senior Members were involved in teaching in some of the Constituent faculties of the College of Health Sciences as well as some Departments in the University. Students from the country's tertiary institutions and foreign universities were attached to the institute for laboratory experience and conducting research project for university degrees. Research Fellows of the Institute continued to supervise M.Phil and Ph.D students. The Institute had also introduced the Research Studentship Programme which provided opportunities for graduate students to undertake their project work with full sponsorship from the Institute.

The research units of the Institute are: ***Parasitology, Immunology, Clinical Pathology, Electron Microscopy, Epidemiology, Virology, Bacteriology, Nutrition and Laboratory Animals.***

## **Information and Communication Technology**

The Institute continued to maintain its own VSAT link to the Internet. The facility offered both internal and external communication by e-mail and surfing services. The Institute became a full participant in the HINARI project resulting in it having access to electronic versions of over 1500 health and health-related journals.

## **Projects**

The main development projects carried out during the year under review included the renovation of a construction site building into a canteen as well as the construction of a Clinical Research Facility – The Prince Al-Waleed Building (from a donation by the Sandi Prince Al waleed Bin Talal Bin Abdulazziz Al Saud).

The US Department of Defence is also constructing a building for research work on HIV/AIDS. The Japanese Government through JICA is also constructing the Administrative Building of the West African Centre for International Parasite Control Project

Dissemination of Research Findings

The Institute successfully hosted its Third Annual Research Meeting under the theme “Bridging the Research – Policy Divide”. The meeting provided a forum for dialogue between researchers, policy makers and programme implementers.

The weekly Institutional seminars which offered opportunity for young and senior scientists to report on their respective research works continued.

## **Staff Development and Research Capacity Strengthening**

Staff of the Institute were supported to undertake post-graduate research programmes in the priority research areas both locally and at institutions abroad.

Currently, eleven members of staff are pursuing programmes leading to Ph.D and another seven for their Masters degree. The facilities of the Institute were used by several students from the universities and Polytechnics in the country for their projects. A lot of first and second cycle schools also visited the Institute as well as visitors from other research institutes, Japan and other countries.

## **Collaboration with other Ghanaian Institutions**

The Institute continued with its active collaboration with the Ministry of Health and its Health Research Units/Centres (Navrongo, Kintampo, Dangme West), Ghana Aids Commission, Ghana Atomic Energy Commission, Ghana Minerals Commission, the University of Ghana Medical School and the School of Public Health. The Institute collaborated with the Ministry of Health on prevention of Mother to child transmission of HIV and provided support for the annual immunization programmes as well as conducting training sessions in TB microscopy for Ghana Health Service Staff

## **Leaving the service of the Institute**

One Senior member, four senior staff and one junior staff retired from the service of the Institute. One other staff member died.

## Staffing

Members of staff at the Institute are either full time employees, on contract or visiting scientist.

### SENIOR MEMBERS

Units	Prof Emeri	Profs	Asso. Profs.	Snr. Res. Fel.	Res. Fel.	Asst. Reg.	Asst Acct.	Total
Administration		1				1	1	3
Bacteriology				1	1			2
Clinical Pathology			1	1	1			3
Electron Microscopy				1				1
Epidemiology	1			1				2
Laboratory Animals					1			1
Immunology			1		2			3
Nutrition				2	1			3
Parasitology			1	3				4
Virology		1		2	1			4
<b>TOTAL</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>11</b>	<b>7</b>		<b>1</b>	<b>26</b>

	Senior Staff	Junior Staff	Project Staff
Accounting Assistant	7	-	2
Administrative Asst/Library Assistant	7	-	1
Research Assistant/Nurse	26	-	49
Technologist/Technician	25	-	10
Maintenance	6	1	-
Transport/Driver/Mechanic	2	11	7
Data Entry Clerks/Secretary/Project Asst.	-	5	16
Labourer/Cleaner/Messengers	-	19	3
Security Guard/Watchmen/Foremen	2	10	3
Tel. Exchange Supt./Supervisors/Storekeepers	1	2	-
Technical Assistant/Assistant Technician	-	11	-
<b>Total</b>	<b>68</b>	<b>58</b>	<b>87</b>

### Publications for the Year Under Review

#### Health Research and Policy Formulation

**Ofori-Adjei David** Building bridges for health care and research in Ghana *Lancet Infect Dis* 2003; 3(4): 251- 254

## Health Sector Reforms

**Ofori-Adjei, David** Health sector reforms and the application of sector-wide approach in Ghana. *Ghana Medical Journal* 2000; 34(3):137-138

## Malaria

- Cavanagh, D. R., **Dodoo, D.**, Hviid, L., Kurtzhals, J. A., Theander, T. G., **Akanmori, B. D.**, Polley, S. Conway, D. J, **Koram, K.**, McBride, J.S Antibodies to the N<sub>1</sub> terminal block 2 of Plasmodium falciparum merozoite surface protein 1 are associated with protection against clinical malaria. *Infect Immun* 2004;72(11):6492-502
- **Gyan, B. A.**, Goka, B., Cvetkovic, J. T., Kurtzhals, J. L., Adabayeri, V., Perlmann, H., Leftvert, A. K., **Akanmori, B. D.**, Troye-Blomberg, M. A. Allelic polymorphisms in the repeat and promoter regions of the interleukin-4 gene and malaria severity in Ghanaian children. *Clin Exp Immunol* 2004;138(1):145-50.
- Nielsen, M. A., Vestergaard, L. S., Lusingu J., Kurtzhals, J. A., Giha, H. A., Grevestad, B., Goka, B. Q., Lemnge, M.M, Jensen, J.B, **Akanmori, B. D.** Theander, T. G., Staasoe, T., Hviid, L. Geographical and temporal conservation of antibody recognition of Plasmodium falciparum variant surface antigens. *Infect Immun.* 2004; 72(6): 3531-5.
- Minang, J. T., **Gyan, B. A.**, Anchang, J. K., Troye-Blomberg, M, Perlmann, H., Achidi, E.A; Haptoglobin phenotypes and malaria infection in pregnant women at Western Cameroon. *Acta Trop.* 2004; 90(1):107-14
- **Appaw, M.**, Owusu-Adjei, S, **Dadzie, S.**, Asoala, V., Anto, F., **Koram, K., Rogers, W., Nkrumah F.**, Hoffman, S.L., Fryauff, D.J.; Malaria transmission dynamics at a site in Northern Ghana proposed for testing malaria vaccines. *Trop Med Int Health* 2004; 9(1): 164-70.
- **Appaw, M. A., Bosompem, K. M., Dadzie, S., Mckakpo, US, Anim-Baidoo, I.,** Dykstra, E., Szumlas, D. E., **Rogers, W. O., Koram, K.**, Fryauff, D. J. Detection of sporozoites by standard ELISA and VecTest™ dipstick assay in field-collected anopheline mosquitoes from a malaria endemic site in Ghana. *Trop Med Int Health* 2003; 8(11): 1012-7
- **Koram, K. .A,** Owusu-Agyei S, Fryauff D. J., Anto F., Atuguba F., Hodgson A., Hoffman S. L., **Nkrumah, F. K.** Seasonal profiles of malaria infection, anaemia, and bednet use among age groups and communities in northern Ghana. *Trop Med Int Health* 2003; 8(9): 793-802
- Goka, Q. Bamenla, Rodrigues, P. Onike, Adjei G. Obeng, Quarshie, B., **Akanmori, B. D.**, Kurtzhals, J. A. L., Neequaye Janet. Comparison of chlorquine with quinimax in the treatment of cerebral malaria in Ghanaian children. *Ghana Medical Journal* 2003; 37(3): 110-116.

- **Tetteh J. K., Addae, M. M., Ishiwada, N., Yempewu, S. M., Yamaguchi, S., Ofori-Adjei D., Kamiya H, Komada, Y, Akanmori, B. D** Plasma levels of Th 1 and TH2 cytokines in Ghanaian children with vaccine modified measles. *Eur Cytokine Netw* 2003; 14(2); 109-13.
- **Koram, K. A,** Agyei, S. Owusu, Fryauff, D. J, Anto, F., Atuguba, F., Hodgson, A., Hoffman, S.L, **Nkrumah, F. K** Seasonal profiles of malaria infection, anaemia and bednet use among age groups and communities in northern Ghana *Trop Med Int Health* 2003; 8(9); 793-802.
- Garred, J.A.P, Kurtzhals, M. A., Nielsen, Malhotra, R., Madsen, H. O, Goka, B. Q, **Akanmori, B. D,** Sim, R. B, Hviid, L., Mannose – binding lectin is a disease modifier in clinical malaria and may function as opsonin for Plasmodium falciparum – infected erythrocytes. *Infect Immun* 2003; 71(9); 5245 – 53.
- Jensen, A.T., Zornig, H. D., Buhmann, C., Salanti A, **Koram, K. A,** Riley, E. M., Theander, T.G., Hviid, L., Staalsoe T Lack of gender – specific antibody recognition of products from domains of a var Detection of malaria sporozoites by standard ELISA and Vec Test™ dipstick assay in field-collected anopheline mosquitoes from a malaria endemic site in gene implicated in pregnancy – associated plasmodium falciparum malaria *Infect Immun* 2003; 71(7): 4193–6.
- Franks, S., Baton, L., Tetteh, K., Tongren, E., Dewin, D., **Akanmori, B. D., Koram, K. A.,** Ranford-Cartwigh, L., Riley, E. M Genetic diversity and antigenic polymorphism in Plasmodium falciparum extensive serological cross reactivity between allelic variants of merozoite surface protein 2 *Infects Immun* 2003; 71(6): 3485–95.
- Wozniak, M. A., Faragher, E. B., Todd, J. A., **Koram, K. A.,** Riley, E. M., Itzhaki, R. F. Does apolipoprotein E polymorphism influence susceptibility to malaria? *J Med Genet* 2003; 40(5): 348–351.
- Hale, B. R., Agyei, S. Owusu, Fryauff, D. J., **Koram, K. A.,** Adjuik, M., Oduro, A. R., Prescott, W. R., Baird, J. K., **Nkrumah, F.,** Ritchie, T. L, Franke, E. D., Binka, F. N., Horton, J., Hoffman, S. L. A randomised, double blind, placebo controlled, dose ranging trial of tafenoquine for weekly prophylaxis against plasmodium falciparum, *Clin Infect Dis* 2003; 36(5): 541–9.
- **Ofori, M. F.,** Staalsoe, T., Bam V., Lundquist, M., David K. P., Browne, E. N., **Akanmori, B. D.,** Hviid, L Expression of varlant surface antigens by Plasmodium falciparum parasites in the peripheral blood of clinically immune pregnant women indicates ongoing placental infection *Infect Immun* 2003; 7(3): 1584–6.
- Okine, L. K. N., **Nyarko, A. K., Armah, G. E.,** Awumbila, B., Owusu, K., Setsoafia, S., **Ofosuhene, M.** Adverse effects of mosquito coil smoke on lung, liver and certain drug metabolising enzymes in male wistar albino rats. *Ghana Medical Journal* 2004;38(3): 89–95.

- **Ofori-Adjei, D.** Mosquito coils: time to take a closer look? [Editorial Commentary] *Ghana Medical Journal* 2004;38(3): 87–88

## HIV/AIDS

- **Barnor, J. S.,** Endo, Y., Habu, Y., Miyano-Kurosaki, N., Kitano, M., Yamamoto, H., Takaku, H. Effective inhibition of HIV-1 replication in cultured cells by external guide sequences and ribonuclease P *Bioorg Med Chem Lett* 2004;14(19): 4941–4
- Miyano Kurosaki, N., **Barnor, J. S.,** Takeuchi, H., Owada, T., Nakashima, H., Yamamoto, N., Matsuzaki, T., Shimada, F., Takaku, H. In vitro and in vivo transport and delivery of phosphorothioate oligonucleotides with cationic liposomes *Antivir Chem Chemother* 2004; 15 (2): 93–100
- **Barnor, J. S.,** Miyano-Kurosaki, N., Yamaguchi, K., Sakamoto, A., Ishikawa, K., Inagaki, Y., Yamamoto, N., **Osei-Kwasi, M., Ofori-Adjei, D.,** Takaku, H. Intracellular expression of anti-sense RNA transcripts complementary to the human immunodeficiency virus type-1 vif gene inhibits viral replication in infected T-lymphoblastoid cells. *Biochem Biophys Res Commun* 2004; 320 (2):544-50
- Bernstein, D. I., Stanberry, L. R., Sacks S., **Ayisi, N. K.,** Gong, Y. H., Ireland, J., Mumper, R. J., Holan, G., Matthews, B., McCarthy, T., Bourne, N., Evaluations of unformulated and formulated dendrimer-based microbicide candidates in mouse and guinea pig models of genital herpes. *Antimicrob Agents Chemother.* 2003; 47(12): 3784-8.
- **Ayisi, N. K.,** Nyadedzor, C. Comparative in vitro effects of AZT and extracts of *Ocimum gratissimum*, *Ficus polita*, *clausena anisata*, *Alchornea cordifolia* and *Elaeophorbium drupifera* against HIV-1 and HIV-2 infections. *Antiviral Res* 2003; 58(1): 25-33.
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## Publications

### Dr. K.M. Bosompem

- Adjei A., M. Lartey, T. K. Adiku, O. Rodrigues, L. Renner, E. Sifah, J.D. Mensah, B. Akanmori, J. Otchere, B. K. Bentum and **K. M. Bosompem.** . **Title:** *Cryptosporidium* oocysts in Ghanaian AIDS patients with diarrhoea. *Journal: East African Med. J.* 2003, 80 (7), 369-372
- **Bosompem K. M.**, Owusu O., Okanla E.O., Kojima S. Applicability of a monoclonal antibody-based dipstick in diagnosis of urinary schistosomiasis in the Central Region of Ghana. *Tropical Medicine and International Health.* 2004; 9(9): 991-996.
- **Bosompem K. M.**, Bentum I. A., Otchere J., Anyan W.K., Brown C.A., Osada Y., Takeo S., Kojima S., Ohta N. *Infant schistosomiasis in Ghana: a survey in an irrigation community.* *Tropical Medicine and International Health.* 2004; 9(8): 917-922.
- Danso-Appiah A., De Vlas SJ, **Bosompem K. M.**, Habbema J.D. Determinants of health-seeking behaviour for schistosomiasis-related symptoms in the context of integrating schistosomiasis control within the regular health services in Ghana *Tropical Medicine and International Health.* 2004; 9(7):784-794.
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- Appawu, M. A., **Bosompem, K. M.**, Dadzie, S., McKakpo, U.S., Anim-Baidoo, I., Dykstra, E., Szumlas, D. E., Rogers, W.O, Koram, K., Fryauff, D.J., Detection of malaria sporozoites by standard ELISA and VecTest™ dipstick assay in field-collected anopheline mosquitoes from a malaria endemic site in Ghana.
- **Bosompem, K. M.**, Owusu, O., Okanla, E. O., Kojima, S Applicability of a monoclonal antibody- based dipstick in diagnosis of urinary schistosomiasis in the central region of Ghana *Trop Med Int Health* 2004 9 (9):991-6.
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## Nutrition

- **Takyi, E. E.** Hair zinc status and its correlation with height indicator in pre-school and school children from a mixed income, low density (mild) community in southern Ghana. *East Afr Med J.* 2004; 81(1): 42-6
- **Takyi, E. E.,** Amankwa P. Dietary selenium and copper intake by resident under-graduate students of the University of Ghana. *East Afr Med J.* 2004; 81(1): 34-9
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- Okine, L. K. N., **Nyarko, A. K.,** Ashiabor, E. S. M. Alcohol-induced hepatotoxicity: a study of the effects of the Ghanaian alcoholic beverage, akpeteshie, in the rat. *Ghana Medical J* 2003; 37(1): 29-34
- **Ankrah, N. A.,** Quaye, I. K. E., **Appiah-Opong, Regina,** Dzokoto, Comfort, **Ekuban, F. A.,** Teye, K. Association between low blood glutathione levels and haptoglobin phenotypes in pregnant women. *Ghana Medical J* 2003; 37(1): 35-38.

## Phytomedicine

- **Ankrah, N. A., Nyarko, A. K., Addo, P. G., Ofosuhene, M.,** Dzokoto, C., Marley, E, **Addae, M. M., Ekuban, F. A.** Evaluation of efficacy and safety of a herbal medicine used for the treatment of malaria *Phytother Res* 2003; 17(6): 697-701.
- Awadzi, K., Attah, S. K., Addy, E. T., Opoku, N. O., Quartey, B. T., Lazdins-Helds, J. K., Ahmed, K., Boatın, B. A., **Boakye, D. A.,** Edwards, G. Thirty-month follow-up of sub-optimal responders to multiple treatments with ivermectin, in two onchocerciasis-endemic foci in Ghana *Ann Trop Med Parasitol.* 2004; 98(4): 359-70.
- Danso-Appiah, A., de Vlas, S. J., **Bosompem, K. M.,** Habbema, J. D. Determinants of health-seeking behaviour for schistosomiasis-related symptoms in the context of integrating schistosomiasis control within the regular health services in Ghana. *Trop Med Int Health.* 2004; 9(7): 784-94.
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- Mank, R, **Wilson, M. D.,** Rubio, J. M., Post, R. J. A molecular marker for the identification of *Simulium squamosum* (Diptera: Simuliidae). *Ann Trop Parasitol.* 2004; 98(2): 197-208
- **Ofori-Adjei, David** Why should babies die? *MERA: Journal Choice* 2003:4
- Graham, Wendy, Bhattacharya Sohinee, **Ofori-Adjei David, Armah-Klemesu,**

**Margaret** Making maternal deaths a notifiable event [Editorial Commentary]  
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- Eddyani M, **Ofori-Adjei D.**, Teugels G, De Weirdt D., **Boakye D**, Meyers W.M, Portaels, F. Potential role for fish in transmission of mycobacterium ulcerans disease (Buruli ulcer) : an environmental study *Appl Environ Microbiol* 2004; 70(9): 5679-81.
- Katlowski, R., Martin, A., **Ablordey, A.**, Chemial, K., Fonteyne, P.A., Portaels, F One-tube cell lysis and DNA extraction procedure for PCR – based detection of mycobacterium ulcerans in aquatic insects, mollusc and fish *J Med Microbiol* 2004; 53 (pt4): 927-33.
- Wilson, I. K., Achel, D. G., **Wilson, M. D.**, Boatin, R., Gyamfi, O. K., Aboagye, S., Bonsu, F. A. The detection of tuberculosis in paucibacillary sputum samples in Ghana using PCR *Ghana Medical Journal* 2003; 37 (2): 117-121.
- Samba E, **Nkrumah, F.**, Leke R Getting polio eradication back on track in Nigeria *N Eng J Med* 2004; 12, 350(7): 645-6
- Zeigler-Johnson, C., Panossian, S., Gueye, S.M., Jalloh, M., **Ofori-Adjei, D.**, Kanetsky, P. A. Population difference in the frequency of the agouti signaling protein g.8818a>G polymorphism. *Pigment Cell Res.* 2004; 17 (2): 185-7.
  1. Okine, L. K. N., **Nyarko, A. K.** and Ashiabor E.S.M. (2003) Alcohol-Induced Hepatotoxicity: A Case Study of the Ghanaian Alcoholic Beverage, Akpeteshie, in the Rat. *Ghana Medical Journal* **37** 29-34.
  2. Ankrah, N-A., **Nyarko, A. K.**, Addo, P. G., Ofosuhene, M., Dzokoto, C., Marley, E., Addae, M., Ekuban, F. A. (2003) Evaluation of Efficacy and Safety of an Herbal Medicine used for the Treatment of Malaria. *Phytotherapy Research* 17 697-701.
  3. **Nyarko, A. K.**, Asare-Anane, H., Ofosuhene, M. Addy, M. E., Teye, K., Addo, P.G. (2003) Aqueous extract of *Ocimum canum* decreases levels of fasting blood glucose and free radicals and increases anti-atherogenic lipid levels in mice. *Vascular Pharmacology* 39(6) 273-279.
  4. **Nyarko, A. K.**, Asiedu-Larbi, J., Ofosuhene, M., Addy, M.E. (2003) Correlation between Levels of Cholesterol, other Lipids and Antioxidants in Blood of Ghanaian Diabetic, Hypertensive and Healthy Subjects. *Ghana Medical Journal* **37(2)** 72-83
  5. **Nyarko, A. K.**, Ofori-Adjei, D. Evaluation of Traditional Medicines used to manage Diabetes Mellitus. *Africa Health Monitor* 4(1): 37-39.

## Conference Presentations / Posters

### Gyan, B.A.

- WHO/TDR MIM Workshop on Immunology and Pathogenesis of Malaria 20-27 Sept. 2003 Ibadan, Nigeria.
- WHO/TDR MIM Workshop on Immunology and Pathogenesis of Malaria 1-4 August, 2004, Ouagadougou, Burkina Faso.
- Workshop on Clinical Research, 23-29 September, 2004, Lambarane, Gabon
- 53rd Meeting of the American Society of Tropical Medicine and Hygiene, 7-11 November, 2004, Miami, Fl. USA.

### **Armah, G. E.**

- 3rd INDEPTH NETWORK Annual General and Scientific Meeting, Accra, 3-7 February, 2003.
- Rotavirus Epidemiology: Rotavirus diversity in West Africa. Paper presented at the 6th Commonwealth Conference on Diarrhoea and Malnutrition. Drakensberg Mountains, South Africa, 19-21 May, 2003.
- The African Rotavirus Network. Paper presented at the 4th workshop of the Members of the Asian Rotavirus Surveillance Network, Manila, Philippines, October 21-22, 2003.
- Rapid Phase III Efficacy Trials Meeting, WHO Geneva, 20-21 November 2003
- Epidemiology of Rotavirus Infection in Northern Ghana. Paper presented at the 5th African Rotavirus Network Meeting, Johannesburg, South Africa, 1-2 December, 2003.
- Genetic diversity of human rotavirus infection in West Africa. Paper presented at the 5th African Rotavirus Network Meeting, Johannesburg, South Africa, 1-2 December, 2003.

### **Wilson, M.D**

- WHO/Centers for International Parasite Control, Technical Committee Meeting on Curriculum Harmonization, Nairobi, Kenya 14-15 October, 2003.
- 52nd Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, USA, December 3-7, 2003.
- Eastern and Southern Africa Centre for International Parasite Control (ESACIPAC), Programme Managers Workshop, Nairobi, Kenya, February, 2004
- International Meeting of the Global Parasite Control Initiative, Bangkok, Thailand, March, 2004.
- West African Centre for International Parasite Control (WACIPAC), First Policy Makers' Workshop, Accra, Ghana, 17-19 June, 2004.
- West African Centre for International Parasite Control (WACIPAC), Health and Education Programme Managers Workshop on School-based Approach to Control of Parasitic Diseases, Accra, Ghana, 17-19 June, 2004.

### **Brandful, J. A. M**

- **June 2003 to June 2004:** Awarded Africa Fellowship by Medical Research Council (MRC) of South African for the genotypic and phenotypic characterization of recent HIV strains from Ghana in Johannesburg, South Africa.
- **July 21st-25th, 2003.** Attended AAVP Grant and Scientific Manuscript Writing Workshop in Durban, South Africa.
- **November 11th-14th, 2003.** Attended course on Bioinformatics and Phylogenetics at the University of the Western Cape, Cape Town, South Africa.

### **Akanmori, B.D**

- Proposal Review Committee Meeting for the European Developing Countries Clinical trial Partnership (EDCTP) Den Hague, Holland, 3rd July -8th July, 2004.
- International Private Public Partnership for Health (IPPPH) Workshop/

Consultation on financing product development, 14–15 April, 2004, Wellcome Trust, London, UK.

- Workshop on Defining the Priorities areas for clinical Trials on Pregnancy Associated Malaria for the EDCTP, The Hague, Holland, 14th–17th, June 2004.
- Planning Meeting for the Study on the impact of bacteraemia on malaria in children, Institut Pasteur, Paris, 29th May –3rd June, 2004
- Adjei, G. O., Goka, B. Q., Kurtzhals, J. A. L., **Akanmori, B.D** and Neequaye, J. Chloroquine-chlorpheniramine combination in Ghanaian children with uncomplicated *P. falciparum* malaria. *Danish Society for Parasitology and Danish Society for Tropical Medicine and International Health Joint Spring Symposium, Copenhagen, Denmark, 30/04/2004*
- Boeuf, P., Vigan, I., Jublo, D., Barale, J.-C., Goka, B., Kurtzhals, J.A.L, **Akanmori, B. D.**, Hviid, L., Puijalon, O. and Behr, C. A new real-time RT-PCR method allowing reliable absolute quantification of human cytokine mRNA in paediatric malaria clinical samples.

#### **Molecular Approaches to Malaria 2004, Lorne, Australia 01-05/02/2004**

- Helleberg, M., Goka, B.Q, Akanmori, B.D., Obeng-Adjei, G., and Kurtzhals, J.A.L. Bone marrow suppression in malarial anaemia. *Danish Society for Parasitology and Danish Society for Tropical Medicine and International Health Joint Spring Symposium, Copenhagen, Denmark, 30/04/2004*
- Nartey, H., Dodoo, D., Akanmori, B.D., Kurtzhals, J., Koram, K., Jepsen, S., and Theisen, M. Antibody responses to the *Plasmodium falciparum* glutamate rich protein (GLURP) and the merozoite surface protein 3 (MSP3) in Ghanaian children. *4th AMANET Biennial Conference, Arusha, Tanzania, 24-26/02/2004.*

#### **Bosompem, K. M.**

- Workshop on Ghana Start-up Projects on School-based Parasitic Control Activities Under GPCI Programme in West Africa. Presentation of expectations of the West African Centre for International Parasite Control (WACIPAC) and Guide. Noguchi Conference Hall, NMIMR, Legon Ghana. 1st September, 2004.
- Facilitator at the International Training Course for Policy Makers, and Health and Education Programme Managers from West African Countries. Sustainability of Parasitic Diseases Control Through Parasite Control Association. West African Centre for International Parasite Control (WACIPAC); Noguchi Memorial Institute for Medical Research (NMIMR), Accra, Ghana. 17th June–16th July, 2004.
- Joint Advisory and Steering Committee Meetings of the West African Centre for International Parasite Control. At the Golden Tulip Hotel, Accra. Tuesday, February 3rd, 2004.
- Development of National Biosafety Framework for Ghana. National Coordinating Committee Final Review Workshop. Miklin Hotel, East Legon, Accra, Ghana. Wednesday 13th October, 2004.
- National Stakeholder Workshop to Discuss the Final Draft Component of the National Biosafety Framework for Ghana. Cresta Royale Hotel, Accra, Ghana. 14th July, 2004.

- R. H. Asmah, K. M. Bosompem, Y. D. Osei, F. K. Rodrigues, M. E. Addy, C. Clement and M. D. Wilson.. Isolation Of Bioleaching Bacteria In Ghana: Potential For Increasing Gold Production. **National Forum on Harnessing Research, Science and Technology for Sustainable Development of Ghana. Accra International Conference Centre** (15th to 19th March, 2004).
- K. M. Bosompem, W. K. Anyan, I. Ayi, J. Otchere, J. D. Amanor, T. Arishima and S. Kojima. New Diagnostic Test For Schistosomiasis (Bilharzia). **National Forum on Harnessing Research, Science and Technology for Sustainable Development of Ghana. Accra International Conference Centre** (15th to 19th March, 2004).
- Chairperson, Planning Committee NMIMR. In The First **National Forum On Harnessing Research, Science And Technology For Sustainable Development Of Ghana. Accra International Conference Centre, (15th - 19th March, 2004)**.
- Local Committee Member and Chairman of scientific session. TDR/WHO Basic and Strategic Research (STR) Meeting. Symposium on Social, economic and biological determinants of the emergence and spread of drug and insecticide resistance. NMIMR, Accra, Ghana, 25 May, 2004.

## **SCHOOLS**

### **SCHOOL OF ALLIED HEALTH SCIENCES**

#### **Overview**

The School of Allied Health Sciences is a constituent School of the College of Health Sciences, University of Ghana. The School runs Bachelor of Science degrees in Physiotherapy, Diagnostic Radiography, Therapy Radiography and Medical Laboratory Science. At the graduate level, the School offers MSc. and M.Phil Dietetics and M.Phil Medical Physics programmes.

The School was established at the initiative of the Ministry of Health to train Allied Health Professionals locally, and to address the huge shortage that prevail in these allied Health professions. The objective therefore, is to produce professionals who will demonstrate a high level of competence in the practice of their speciality in health care delivery.

The GETFund and the Ministry of Health are putting up a six storey multi-purpose complex for the administration and various Departments, Laboratories and other facilities for the School at Legon.

In view of the enormous challenges, which include, staffing and availability of space, the School was only able to introduce one under-graduate and two post-graduate programmes in the 2004/2005 academic year. These were, BSc. Therapy Radiography, MSc. & M.Phil Dietetics and M.Phil Medical Physics.

#### **Courses Offered**

The School currently runs Four (4) undergraduate and two (2) Postgraduate programmes.

##### **Under-graduate Programmes**

- BSc. Physiotherapy
- BSc. Diagnostic Radiography
- BSc. Therapy Radiography
- BSc. Medical Laboratory Science

##### **Post-graduate Programmes**

- MSc. & M.Phil Dietetics
- M.Phil Medical Physics

When fully developed the School is expected to offer other BSc. programmes to include:

Dental Technology  
 Occupational Therapy  
 Speech Therapy  
 Anatomy Pathologic Technology  
 Health Information Management  
 Orthopaedic Technology  
 Dietetics

### Summary of Student Numbers

Level 200	-	73
Level 300	-	58
Level 400	-	44
MSc.	-	12
M.Phil.	-	6
<b>Total</b>		<b>193</b>

### Summary of Staffing Positions

Associate Professor	-	1
Senior Assist. Registrar	-	1
Lecturer	-	3
Senior Staff	-	7
Junior Staff	-	9
Visiting Scholars	-	4

Department	Gender	Senior Staff	Senior Members	Junior Staff	Total Staff
Dean's office	M	1		1	2
	F		1	1	2
Academic/Administration	M	1	1		2
	F				
Audit / Accounts	M		1	1	2
	F		1		1
Security	M			4	4
	F				
Drivers	M			2	2
	F				
Department of Med. Lab. Sci	M	2	1		3
	F		2		2
Department of Radiography	M	1			1
	F				

## Benefactors

No	Institution	Activity
1	Ministry of Health	Institutional Support
2	Human Diagnostica	Sponsorship of Student Prizes
3	Quest	Sponsorship of Student Prizes
4	Ghana Education Trust Fund (GET fund)	Laboratory Equipment, Computers, Construction of School Complex
5	Hogeschool Van Amsterdam	Physiotherapy Books for Library

## Publications

- **Wiredu, E. K.**, Tettey, Y.: Still birth at Korle-Bu Teaching Hospital: Characteristics of parents. Pregnancy and Labour. *Ghana Medical J.* 2004; 38(1): 15-19

## Articles in Press

- Armah, H., **Wiredu, E. K.**, Dodoo, A., Adjei, A. A., Tettey, Y., Gyasi, R. K.: Maximal Cerebral Expression of Cytokines and Adhesion Molecules in Fatal Human Cerebral Malaria. *International Journal of Environment Research and Public Health.*
- Armah, H., Sarfo, B. K., Dodoo, A., **Wiredu, E. K.**, Stiles, J. K., Adjei, A. A., Gyasi, R. K., and Tettey, Y., Maximal Cerebellar Expression of Cytokines, Adhesion Molecules, Chemokines and Chemokines Receptors in Fatal Human Cerebral Malaria.
- Sarfo, B. K., Armah, H., Ikovwaiza, I., Wilson, M. D., Boakye, D. Y., Gyasi, R. K., **Wiredu, E. K.**, Tettey, Y., Adjei, A. A., Singh, S, Lillard, J W, Stiles, J. K.: Mouse Plasmodium Yeolii 17X Infection Unprgulates Rantes, CCR1, CCR3, and CCR5 Exprssion, and Induces Ultrastructural Changes in the Cerebellum.

## Abstracts

- Domfeh, A. B., Adjei, A. A., **Wiredu, E. K.**, Tettey, Y. and Attoh, S. A. The prevalence of cervico-vaginal Human Papilloma virus in women visiting the Gynaecology Department of the Korle Bu Teaching Hospital. Abstract Booklet. First Annual Sciences. 12th-14th May, 2004. Page 26.
- Seidu, M. A., **Wiredu, E. K.**, Adjei, A. A. Assessment of the viability of adult onchocerca volvulus in tissue sections using histochemical demonstration of lactate dehydrogenase activity. First Annual Scientific Meeting of the University of Ghana Medical School, Korle Bu 12th-14th May, 2004 pp 47. La Palm Royal Beach Hotel, Accra.

- Aboagye, B., Tettey, Y., Adjei, A. A., **Wiredu, E. K.** The prevalence of Hepatitis B and C virus infections among liver cirrhosis Patients at Korle Bu Teaching Hospital, Accra Ghana. Abstract Booklet, First Scientific Conference of the University of Ghana Medical School, Korle Bu 12th – 14th May, 2004 pp 63. La Palm Royal Beach Hotel, Accra.
- Adjei, A. A., Armah, H., Dodoo, A., **Wiredu, E. K.**, Quakyi, I. Cytokine and adhesion molecule expression in the brain in the human cerebral malaria. First International Symposium on Recent Advances in Environmental Health Research. 19th–22nd September, 2004, pp 83. Mariot Hotel, Jackson Mississippi, USA.
- **Wiredu, E. K.:** Epidemiology of Malignancies in Ghana. Abstract of Scientific Sessions Continuing Medical Education Programme, Ghana College of Physicians & Surgeons.

### **Conferences/Seminars/Extension Services**

The Dean, Prof. E. K. Wiredu continued to serve as the Chairman of the Faculty of Laboratory Medicine, West African College of Physicians (WACP)

Prof. E. K. Wiredu was an external Examiner for the Department of Pathology, School of Medical Science, KNUST, Kumasi.

Prof. E. K. Wiredu examined at the Part I & II levels of the WACP Examinations in Faculty of Medicine.

Prof. E. K. Wiredu attended the 27th Annual General and Scientific Meeting of the West African College of Physicians in Accra from 17th – 20th November, 2003.

Prof. E. K. Wiredu was a Resource person participated in the First Scientific Conference of the University of Ghana Medical School, Korle Bu 12th – 14th May, 2004, La Palm Royal Beach Hotel, Accra.

4th International Conference on Cancer in Africa: Meeting the Challenges of the 21st Century.

29th Scientific Meeting of British Lymphoma Pathology Group, Symposium on High-grade lymphomas.

British Division of the International Academy of Pathology: Symposium on Lymphoreticular Disease and Short Course on Liver Tumours.

45th Annual General Conference of Ghana Medical Association. Theme “Changing Lifestyle and Disease: A Multisectorial Approach”.

Role: Resource person. Presented paper on “Cancers and Changing Lifestyle”.  
Inauguration of Ghana College of Physicians & Surgeons: Scientific Sessions.  
Role: Resource person. Presented paper on “Epidemiology of Malignancies in Ghana”

ICT for Government

Role: Resource person. Presented paper on “Use of ICT in E-Health and Medical Education”

First Annual Scientific Conference University of Ghana Medical School.

Role: Resource person. Presented paper on “Cancer Trends in Ghana”

Prof. Wiredu led a team that performed forensic services for the National Reconciliation Commission.

## **SCHOOL OF COMMUNICATION STUDIES**

### **Overview**

The School successfully ran its Master of Arts/Philosophy degree programmes.

### **Courses Offered**

The School offers M.A and M.Phil in Communication Studies Programmes.

### **Student Numbers**

M.A	25
MPhil	5

### **Staffing Position**

The breakdown of staff at post is as follows:

- 2 Associate Professors
- 2 Senior Lecturers
- 2 Lecturers
- 1 Fulbright Scholar
- 3 Part-Time Lecturer

Mrs. Margaret Amoakohene returned from her two-year sabbatical leave to commence teaching in the 2004-2005 academic year.

## Research/Projects

The School completed a nationwide opinion survey on information sources, governance, and the 2004 elections.

Research by individual academic staff was as follows:

### **Ansu-Kyeremeh, K.**

- (March, 2004) "Public Opinion Survey of Views of Ghanaians on Governance, the NPP Administration and the 2004 Elections." (WITH A. Essuman-Johnson and A.K Bonnah Koomson).

### **Gadzekpo, Audrey**

- "Progress in Pro-Poor Environmental Outcomes: Learning Lessons Through an Independent Review of Stakeholder Perceptions of the Poverty Reduction Strategy Papers: Ghana Country Review. Commissioned by DFID-U.K. July to October, 2004.

### **Tietaah, G.**

- The Right to Information in West Africa (with Kwame Karikari)
- Quality of Economic Reporting in Ghana (with Audrey Gadzekpo)

### **Amoakohene, M. I.**

- Mrs. Amoakohene is currently at an advanced stage of a doctoral thesis at the Centre for Mass Communication Research, University of Leicester, England. Her thesis topic is:
  - "Political Communication in an Emerging Democracy: A Comparative Analysis of Newspaper Coverage of Two Presidential Administrations in the Fourth Republic of Ghana".

## Publications

After years in the doldrums, the **Media Monitor**, a magazine published on behalf of the National Media Commission was revived. Three editions were published.

Individual academic staff publications included:

### **Ansu-Kyeremeh, K.**

#### **Books**

- (2004) (EDITOR) *Indigenous Communication in Africa: Concept, Application and Prospects*. Accra: Ghana Universities Press.

### **Gadzekpo, Audrey**

- (2004) "Domination or Self-Marginalization? Entering the Dialogue on Africa's Lack of Presence in Global Media. *SYN OG SEGN*, 3-2004.

### **Amoakohene, M. I.**

- Violence against women in Ghana: A look at women's perceptions and review of policy and social responses (Social Science & Medicine (2004), 59/11, 2373-2385).

### **Chapters in Books**

#### **Ansu-Kyeremeh, K.**

- (2004) "Globalization and Broadcasting the Ghanaian National Day" In Linda K. Fuller (ed.) National Days/National Ways. Westport, CT.: Praeger Publishers.
- (2004) "Digitised Storytelling" In K. Ansu-Kyeremeh (ed.) Indigenous Communication in Africa: Concept and Practice. Accra: Ghana Universities Press, Pp. 249-261.

#### **Amoakohene, M. I.**

- Focus Group Research: Towards an Applicable Model for Africa. In *Current Issues in Communications and Media Research*. New York: Nova Science Publishers.

### **Conferences/seminars attended by staff and papers presented**

#### **Ansu-Kyeremeh, K.**

- (November 4-5, 2004) Conference of Editors of CODESRIA Journals, Panafric Hotel, Nairobi, Kenya.
- (December 10-12, 2003) Member, Delegation of Ghana to the Geneva Phase of the World Summit on Information Society (WSIS) Geneva, Switzerland.
- (September 15-26, 2003) Member, Official Delegation of Ghana to the Preparatory Committee Meeting (PrepCom3) of the World Summit on the Information Society (WSIS) in Geneva.
- (July 14-18, 2003) Member, Official Delegation of Ghana to the Intersession of WSIS, Paris.

#### **Gadzekpo, Audrey**

- African Peer Review: Building A Civil Society Response Strategy, Organized by Saiaa, November 13, 2003, Golden Tulip.
- "CHRAJ and the Institutionalization of a Human Rights Regime in Ghana: The Paris Principles Revisited" (Comments on Media and Public Education), January 9, 2004.
- "Communication Strategies and Accessing Media For Domestic Violence Activists". Training lecture Delivered at Women's Initiative and Empowerment (WISE), Feb 11, 2004.
- "Effective Written Communication." Seminar on Communication and Negotiation Skills for Young Professionals, Association of Consultants, February 24, 2004

- “She Made me Do It! Discursive Frames and Representational Practices of Domestic Violence in the Ghanaian Press.” Interfaculty Lecture, University of Ghana, March 4, 2004.
- “The Media and Development In Ghana.” Sam Arthur Memorial Lectures, Ghana Institute of Journalism. March 31, 2004.
- “The Role Of The Private Press In Ghana. “Lecture Delivered to University Students Abroad Consortium (USAC) April 15, June 29, 2004
- “The Importance Of Radio To Development.” World Bank-Ghana: Media Capacity Enhancement Program, May 1, 2004.
- “Relations With The Media.” Election Observation Course, Lecia International Training Programme For Peacebuilding and Good Governance for African Civilian Personnel, June 9, 2004.
- “Gender Issues in Ghanaian Media” Lecture given to University of Oregon Students , June 30, 2004
- “Introduction to Financial and Economic Reporting” and “Challenges Of Investigative Reporting” GJA/USAID/KAB Governance Consult Collaboration On Improved Economic And Financial Reportage, June 30, 2004
- “So this is free speech? Media and the challenge of democracy in Ghana”. Paper delivered at IAMCR 2004 Biennial Conference in Porto Alegre, Brazil July 25-30.
- “Domestic Violence: The Issues.” Lecture Delivered at Lecia Seminar, Oct. 7, 2004.
- Reviewer Manuscript For Journal of African Communication: Manuscript #: 2004/5.  
Title: Residence At Childhood As A Determinant Of The Readership Of Indigenous Language Newspapers In Nigeria May 31, 2004
- Biennial Conference of the International Association of Media and Communication Researchers (IAMCR). Porto Allegre, Brazil, July 25-30, 2004.
- Training Workshop For National Accountability Group: Sierra Leone Transparency International Chapter in Freetown, September, 27–30, 2004

### **Tietaah, G.**

- The State of Public Service Broadcasting in West Africa – paper presented at meeting on Public Broadcasting in Africa, Johannesburg, South Africa, October 25–29, 2004.
- Media Foundation for West Africa (MFWA)-Special Initiative on Africa (SIA) media production workshop, Accra, August 2 – 10, 2004.
- Orientation/Training workshop for MFWA Correspondents, Accra, March 22– 23, 2004.

### **Benefactions**

A number of teaching and production equipment totaling some USD100, 000 was donated to the School by OSIWA. They include a five-station audio/video editing suite, 10 PCs, and audio/video recording equipment. Also included was a set of broadcasting equipment for reviving rural broadcasting and newspaper project which the School ran at Agona Swedru in the 1980s.

# SCHOOL OF NURSING

## Overview

During the year under review, the Council of the University of Ghana approved the designation of the Department of Nursing to a School of Nursing in the College of Health Sciences. An Implementation Committee was set up to establish a template on which the School should be built. The Committee submitted its report to the Vice Chancellor, for further action

Plans have been advanced for the commencement of MSc. Nursing Programme. Linkage with University of Alberta, Canada for the running of M.Phil programme in Nursing continued. Exchange of students as well as collaborative research between the School and Faculty of Nursing, University of Alberta are in progress.

The first cohort of M.Phil students graduated in May, and the Dean of Faculty of Nursing, University of Alberta and five other professors were in the country to witness the graduation ceremony. The School organised a Research Day whereby the graduands presented their research findings to the general public. Two of the graduands were appointed as Assistant Lecturers in the School.

## Courses Offered

The School offered courses at undergraduate and graduate levels in such areas as Community Health Nursing, Maternal and Child Health Nursing, Mental Health Nursing and Adult Health Nursing. Requests from applicants seeking to pursue nursing remained very high.

## Student Numbers

Level 200	-	147 Students
Level 300	-	87 Students
Level 400	-	88 Students
M.Phil (First Year)	-	3 students
M.Phil (Second Year)	-	5 Students
Total No. Of Students	-	330 Students

## Staffing Position

The breakdown of Staff at post was:

1. Professors	-	Nil
2. Associate Professors	-	Nil
3. Senior Lecturers	-	1
4. Lecturers	-	7

5.	Senior Staff	-	8
6.	Junior Staff	-	8
	<b>Total</b>		<b>24</b>

Two out of this number, the following were on study leave:

1. One lecturer.
  2. One Senior Staff
  3. One Junior Staff.
- Total            3**

## Research Projects

### Opore, Mary

- Opore, M. & O'Brien, B. Understanding Informed Consent in Qualitative Research.
- Opore, M. "Preceptorship in the Clinical Education of Senior Student Nurses in Ghana".
- Opore, M. Evolution of Nursing in Ghana. (Historical Research for a Ph.D Dissertation in progress).

### Mwinituo, Prudence P.

- Prudence, P. Mwinituo, "The Experiences of Informal Caregivers in the Management of AIDS Patients in Accra, Ghana".

### Awuah-Peasah, Dorothy

- Dorothy Awuah-Peasah, "Reproductive Health: Factors Influencing Women's Use of Traditional Birth Attendants for Childbirth".

## Publications

### Opore, Mary

- Ogilvie, L. Allen, M. Laryea, J. & **Opore, M.** (2003). Building Capacity through a Collaborative International Nursing Project. *Journal of Nursing Scholarship* 35(2) 113-118.
- Mill, J. E., **Opore, M.** & Fleming, D.S. (2004) : Ghanaian Nursing Students' Knowledge and Attitudes about HIV illness. (In Press).
- O'Brien, B. & **Opore, M.** (2004). Understanding of 'Informed Consent' in Ghanaian Nursing Research. (In press).

### Oware-Gyekye, Faustina

- Oware-Gyekye, F. (2004). "The Role of a Nurse in the Community Care of Diabetes Mellitus. The Ghana Medical Journal. (Submitted for publication)
- Oware-Gyekye, F. (2004)"The Challenges of Reproductive Health Care In the New Millennium: The Role of the Nurse". The Ghanaian Nurse. (Submitted for publication).

- Oware-Gyekye, F. (2004) "Knowledge of Reproductive Health Issues Among Second Cycle Institutions in Greater Accra Metropolitan Area (GAMA)". African Journal of Nursing and Midwifery. UNISA. (In press)
- Oware-Gyekye, F. (2004) "Nurse Manager: Managing Time Effectively". GIMPA Journal of Leadership, Management & Administration. (In Press)

### **Aniteye, Patience**

- Collison, A.H.K.; Peterson, F.C. & Aniteye, P. (2003) "Indirect Causes of Maternal Mortality at Korle-Bu Teaching Hospital" Ghana Medical Journal 2003; 37(4) 161-164.
- Obed, S.A. & **P. Aniteye (2004)** "Birth Weight and Ponderal Index in Pre-eclampsia: A Comprehensive Study" (Submitted for Publication).

### **Seminars/Conferences/Workshops Attended**

#### **Opare, Mary**

- 1-5 June, 2004 – Africa Palliative Care Association Conference Arusha Tanzania.
- Feb.-March, 2004 – WHO Collaborative Centres for Nursing and Midwifery, Johannesburg, South Africa..
- November 2003 – Health Information Forum Workshop on CD ROMs for Healthcare in Developing Countries. Wellcome Trust, London
- October, 2003 – CIDA- University Consultation Workshop, Sheraton Hotel, Ottawa, Canada.
- September, 2003 – 10th Canadian Conference on International Health, Crowne Plaza, Ottawa, Canada.
- September, 2003 – CIDA Project Directors Meeting, Sheraton Hotel, Ottawa, Canada.
- September, 2003 – Access to Information for Nurses & Midwives: Health Information Forum. Royal College of Nursing, London, UK.

#### **Oware-Gyekye, Faustina**

- AYA sustainability workshop on Proposal Development, 20th – 23rd July, 2003 Sogakope.
- AYA – Faculty Assessment Training Workshop, 27th July – 1st August, 2003, Accra.
- Challenges of Reproductive Health in the new Millennium: The role of the Nurse, Faculty of M.C.H. West Africa College of Nursing 1st – 2nd September, 2003.

#### **Aniteye, Patience**

- 2nd Generation Results Conference by Regional Prevention of Maternal Mortality Network (RPMM) September, 2003. Accra Ghana.
- Workshop on "Improving Study Skills for Medical and Health Students" by College of Health Sciences, University of Ghana, Legon. 25th – 27th February, 2004.

### **Prudence P. Mwinituo**

- Development of Curriculum on “Integrated Management of Childhood Illness (MCI), February 15–20th, 2004.
- 2nd Workshop on “Proposal and Grant Writing” October 1st–3rd, 2003 College of Health Sciences, University of Ghana, Legon.
- In-Country Training in “Integrated Management of Childhood Illness” by the MOH/WHO/UNICEFUSAID, April, 2003.
- 2003 International Society for Transmitted Diseases Research Congress (ISSTD) Ottawa, Canada. July 27th–30th July, 2003.
- “Thinking Qualitatively: International Institute for Qualitative Methodology”, University of Alberta, Edmonton, Alberta, Canada. August 5th–8th, 2003

### **Dorothy Awuah-Peasah**

- Teaching Methodology, 25–27th February, 2004

## **OBITUARY**

Professor Akiwumi, the first Ghanaian head of the institution passed away on the 26th of January, 2004. The University authorities have decided to name the Nursing School Building after her. The Faculty of Nursing, University of Alberta, Canada has donated six thousand (\$6,000) dollars towards the establishment of a research fund in her memory.

May her soul rest in peace.

## **SCHOOL OF RESEARCH AND GRADUATE STUDIES**

### **Overview**

In an effort to give focus to research activity in the University, the School of Graduate Studies has been restructured to include Research. The essence is not only to capitalize on the strengths and core competencies of research but also to develop synergies between research, training and extension with emphasis on Graduate work.

### **Graduate Studies Unit**

#### **Admissions**

2,141 applications were received during the year under review. This was made up of 1,151 males and 990 females. Out of this number 895 applicants were offered admission into the various programmes in the Faculties of Science, Agriculture, Social Studies, Arts, Law, College of Health Sciences and the University

of Ghana Business School. However, only 740 students enrolled for the various programmes in the Faculties. The breakdown of enrolled students by Faculties and gender is as follows:

College/School/Faculty	Gender	
	Male	Female
College of Agriculture & Consumer Sciences	46	9
College of Health Sciences	38	18
UG Business School	130	54
Arts	53	22
Sciences	34	10
Social Studies	199	127
<b>Total</b>	<b>500</b>	<b>240</b>

### Student Enrollment

The School of Research and Graduate Studies enrollment figure for 2003/2004 stood at 1,545 representing 6.21% of total enrollment figure of 24,876. For the 2004/2005 academic year the student enrollment decreased to 1,326 as against a total student enrollment figure of 26,162 representing 5.07%. The figure is made up of 890 males and 436 females.

### Development of Short /Summer Courses

Three MA sandwich degree programmes were approved by the Board of Graduate Studies and the Academic Board. These programmes are designed to expand access to the UG graduate programmes and generate additional income for the University. They are as follows:

- **Teaching English as a Second Language (TESL).** This has already started during the last vacation and the response had been very good especially among Senior Secondary School Teachers. This will be expanded in the coming years. At its launch during the long vacation 22 students did register for it. The organizers were quite satisfied with the initial results for the initiative.
- **Sandwich Master of Arts Degree Programme in Adult Education in 2004/05 Academic Year.** This is designed to capture the large market of potential students who cannot afford full-time study because of the difficulties of securing study leave with pay.

### Master of Arts (Study of Religions) Sandwich Programme.

This is designed to provide alternative concrete programmes to those being provided by a proliferation of Bible Colleges in Ghana. It will also provide teachers the opportunity to upgrade their knowledge with a minimum disruption of their lives.

### Reactivation of University of Ghana Fellowship Programme

Graduate students face a number of challenges in achieving their goals of quality graduate studies. The most critical one is inadequate finance. In recognition of this and to attract young faculty, the University has reactivated its Fellowship Scheme with the support from the GetFund. Under the package an M.Phil student is awarded an amount of ₦18,000,000.00 per annum whilst a Ph.D student gets ₦28,000,000.00 per annum.

### **Graduate Fellowships at Harvard University**

On the request of the Vice-Chancellor the School prepared a concept paper for USAID support for Ph.D Training at Harvard for Economic related disciplines. This has been accepted and USAID will support for over a five-year period the Ph.D training of Academic Staff at Harvard with USD 20,000.00/student at two students per year. This is a split-site Ph.D programme in which each Ph.D student spends one year at Harvard. This will amount to about USD 200,000.00 support over a five year period. Ten faculty members will be beneficiaries leading to the award of Ph.D degrees.

### **Staff**

The Staff for the School of Research and Graduate Studies is as follows:

- Dean
- Executive Secretary
- Research Administrator
- Chief Administrative Assistant
- Senior Administrative Assistant
- Senior Accounting Assistant
- 3 Administrative Assistants
- Administrative Assistant/Hostel Manager
- Senior Clerk
- 3 Clerks- Grade II
- Driver – Grade I
- 2 Drivers – Grade II
- 3 Artisans
- 2 Messenger Cleaners
- 11 Porters – Graduate Hostel
- 11 Cleaners – Graduate Hostel
- 2 Gardeners

## **RESEARCH ADMINISTRATIVE UNIT**

### **Overview**

The Research function includes Grant Applications and Reporting, Contract Research (including Consultancy), Ethical Clearance, Registration, Patenting, Commercialization of Intellectual Property and Management of External Funds. The main activities undertaken during the year are Contract Research and Research Collaboration, External Funds Coordination and TALIF.

### **Contract Research/Research Collaboration**

During the year under review, the Research Administration Unit of the School coordinated activities of sixteen (16) projects run by various Departments of the University in collaboration with institutions outside Ghana.

Out of these, ten were routed through the Department of Geography and Resource Development, three through the Institute of African Studies and one each through the UG Business School, Department of Nutrition and Food Science and Department of Linguistics.

### **Teaching and Learning Innovation Fund (TALIF)**

The Teaching and Learning Innovation Fund (TALIF) project for Tertiary Institutions created under the Education Sector Project of the Ministry of Education has been one of the major activities the Research Administration Unit undertook.

Under the auspices of the School the University submitted 16 Normal Proposals and five (5) Small Proposals. Normal (Regular) Proposals are those whose estimated values are in excess of 20,000USD each. Small Proposals, on the other hand, are those of not more than 20,000 USD each. Five of these were allowed in each case averaging 100,000 USD for large institutions like the University of Ghana. These were automatically approved for funding. The Small Proposals were as follows:

- Production of a Textbook for African Studies
- Development of New LLM Programmes
- Equipping the New Material Science and Engineering Department of University of Ghana
- Developing a Web-Based Admissions Data Collection System for the University of Ghana
- Graduate Food Microbiology Laboratory Project

Six of the Normal Proposals submitted which were approved for funding are as follows:

- Consortium of Academic and Research Libraries in Ghana (CARLIGH)
- Development and Production of Annual Review of Ghana Law
- Postgraduate Agribusiness Programme
- Capacity Support for Graduate Studies and Research Administration
- Development of HIV/AIDS Policy and Prevention Programmes for the University of Ghana
- Development of a Postgraduate and short-term training programmes in Agricultural Bio-Technology

The School specifically presented a Normal Proposal of about 200,000 USD titled **Capacity Support for Graduate Studies and Research Administration**, which was among the normal proposals approved. It has four components as follows:

- Equipping the Graduate Studies Unit
- Equipping the Research Administration Unit
- Equipping a Graduate Resource/Reference Room, and
- Capacity Building of Existing Staff Through Short Courses and Building

Technical and Financial Proposal Writing Capacity within the Research Administration Unit.

### **External Funds**

The School coordinates the External Funds and Academic Prize Funds for graduate programmes of the University. The Academic Prize Funds are invested into securities to ensure sustainability. The School coordinates twenty-four External Funds Projects for number of Schools/Institutes/Faculties/Departments.

## **SCHOOL OF PERFORMING ARTS**

### **Overview**

The School of Performing Arts, established in the 1962/63 academic year, has three academic departments: Music, Theatre Arts, and Dance Studies. All three disciplinary areas offer 2-year diploma as well as B.A. and B.F.A. degree courses. Music offers a B. Mus and an M.A./M.Phil programme, whilst Theatre Arts offers post-graduate degrees of M.F.A./M.Phil.

The School has a very dynamic resident theatre company, Abibigromma, as well as a research wing, International Centre for African Music and Dance established by Emeritus Professor J. H. Kwabena Nketia. It is currently under the Acting-directorship of Dr. Asante Darkwa. The Efua T. Sutherland Drama Studio is another major centre for the performing arts.

The School of Performing Arts continues to attract a great deal of patronage from international students and research scholars. During the year under review, the School offered both full and short courses to a large number of international students in the three areas of dance, drama and music. It also played host to a number of research students and scholars.

### **Objectives of the School**

On the occasion of the 25th Anniversary of the establishment of the School, the then Vice-Chancellor, Prof. A. Sawyerr, reiterated the real objectives of the School thus:

“...one of the principal objectives of the separation of the School from the Institute (of African Studies) was to enable it to focus on “professional performance training as a cardinal aspect of the work of the School”. Specifically the principal objectives of the School are:

- To provide University course in Music, Dance and Drama;

- To provide a programme of professional training for performers; and
- To serve as a focus of the performing arts in the University.

As a **University** institution the School, in focusing on the development and teaching of Ghanaian and African Art Forms, cannot afford to shut itself off from the vast wealth of Music and Art Forms existing outside Africa, not only in the African Diaspora, but also in both the orient and the west. Again, the University location obliges the School to be research-oriented, drawing not only on the researches of others, but especially on the work of Ghanaian art and culture scholars, both within the School and the Institute, and elsewhere. In brief, the School ought to be engaged in research, teaching, and experimentation in Ghanaian and African art forms, paying due attention not only to their roots in society, but also to developments elsewhere in the world. This should put the school in a position to make a contribution to the re-interpretation and development of African art and culture, providing a spur to creative thinking and activity in the field of national culture.

As a School of **Performing** Arts, the School should gear its programmes, infused as they must be with the results of the School's researches, to the provision of systematic and integrated training of performers in Music, Dance and Drama, and provide an outlet for creative work and the dissemination of knowledge of the arts, through its extension and vacation programmes, as well as regular full-time course.

It would be impossible for the School to begin to meet these obligations in full if it were to operate in isolation from the Institute of African Studies and society at large. For it is vital for the School, in the development of its courses and the conduct of its outreach programmes, to be able to call upon the research product of the Institute in the area of art and culture.

Equally, the School cannot develop programmes or train authentic performers of our Music, Dance and Drama unless it reaches out for interaction with traditional performers and local audiences.

### **Achievements**

The School of Performing Arts, the only institution of its kind in Sub-Saharan Africa, that combines the three disciplines of Drama, Music and Dance in the training of Middle and Management level manpower needs of several establishments in Ghana and, indeed, internationally, continues to play that role among other obligations and commitments: The Ghana Education Service (the largest beneficiary), The National Commission on Culture (with its numerous Centres for National Culture spread throughout the country, each requiring trained cultural and performing arts experts), our Universities (where over ninety percent of the teaching staff of the School are alumni of the School of Performing Arts), The National Theatre of Ghana, G.B.C. (T.V. and Radio Programmes Producers and Directors), the numerous F.M. Stations, Video Film Production Outfits, Professional and Amateur Performance Groups and, not the least Universities in

Africa, Europe, America, Canada, Japan, Korea, and other Far Eastern countries.

Through its productions and outreach programmes, the School continued with its enrichment of the cultural life of the University and surrounding communities. During the last academic year alone, for example, there were 10 major play productions, 24 one-acts, several Musicals and Choreographed dances by students and staff that attracted and educated as well as entertained many audiences in and around Legon. In addition, literature workshops were organized for students of 2nd Cycle institutions in several Regions in Ghana; also, through its Theatre for Extension Communication, and Drama in Education practical programmes, communities as far away as Upper East, Brong-Ahafo, Volta Region, Eastern, and local J.S.S. schools, were exposed to the benefits of Environmental cleanliness, population control, avoidance of Teenage Pregnancy, etc. Even in Accra, establishments like the Bank of Ghana, Ghana Telecom, Cocobod, Electoral Commission etc. were direct beneficiaries of effective communication of their objectives through drama, music and dance presentations.

The Nation and, indeed, the World continues to enjoy the artistic skills not only of the directors, actors, and technical expertise of the staff, but also of the playwrights, choreographers, and composers who provide the material for productions.

The School intends to continue with its commitment to teaching, research and extension programmes, embracing high academic goals and practical professional demands. However, the existing inadequate resources of space, equipment, transportation, and teaching aid, cannot, as has been emphasized before, support and sustain the expanding activities and increasing demands for true professional and academic manpower training for the Nation.

In fact, these needs were taken up by a Member of Parliament, Hon. Nkrumah Gyimah, an alumnus, in November, 1999, and all the Honourable Members of the House, who spoke glowingly about the School, reiterated the urgent need for Government to address them without further delay. (See Parliamentary Debates: Official Report, Friday, 5th November, 1999: "Statements – School of Performing Arts Open Day Celebration – {Col.816}.

### **Action Plan: (Vis-a-Vis) Essentials of the 2003-2005 Estimates**

#### **(a) Staff & Student Productions**

These are an essential academic and professional requirement for the School. Participation in productions/performances is a requirement for the award of diplomas/degrees in the **performing** arts. 18 Student Productions and 11 Staff/School Productions are planned for the year, with a projected cost of about one hundred and fifty million cedis. It is essential that reasonable provision be made for the School's productions programme.

The Theatre Season has become an established outreach programme in which a sample of the School's productions for the year is presented to the community at

large. It involves some production and publicity expenses as well as accommodation, feeding, transport expenses of a large number of students during the long vacation period.

## **DEPARTMENT OF THEATRE ARTS**

### **Overview**

The Department of Theatre Arts is dedicated to the production of competent theatre personnel, for the Theatre in particular and the Entertainment and Cultural Industries in general, and for academia. To this end, it offers a broad range of courses in both the theoretical and practical dimensions of theatre practice in all its modern and traditional manifestations. It boasts of faculty members with a range of experience in theatre practice, teaching and research. Its courses are designed to provide students with an in-depth appreciation of theatres of different cultures, though African theatre aesthetics forms the bedrock from which all these other theatres are considered.

With increasing recognition world wide of the potential of theatre for human development, the department, the only one of its kind in Ghana, is poised to provide a relevant, vigorous and rewarding educational experience for all its undergraduate and graduate students.

### **Courses Offered**

In the year under review, the Department offered courses leading to Diploma, B.F.A., B.A., M.F.A. and M.Phil qualifications. Courses taught were:

- Play Analysis and Interpretation
- History of the Theatre
- Dramatic Theory and Criticism
- Performing Arts in Traditional African Cultures
- Contemporary African Drama
- African Plays and Playwrights
- Modern European Drama
- Radio, TV and Film
- Speech
- Costume, Set and Lighting Design
- Stage Craft
- Acting
- Drama in Education
- Theatre For Extension Communication (TEC)
- Playwriting
- Directing

Production Participation  
Man, the Performing Arts and Society  
African Theories of Drama  
Drama and its Literature  
Research Methods  
Theatre Management.

### **Student Numbers**

The Department continues to attract large numbers of students at all levels, which poses a great problem for us as we have very limited space for teaching, particularly our practical oriented courses. The specific statistics of students is as follows:

Diploma - 78

#### **B.A.**

Level 100 - 533

Level 200 - 407

Level 300 - 12

Level 400 - 42

#### **B.F.A.**

Level 100 - 410

Level 200 - 91

Level 300 - 88

Level 400 - 64

MFA/M.Phil - 18

Occasional Students - 8

### **Staffing Position**

During the year, Ms. Regina Kwakye Opong, one of our MFA graduates, was appointed as a lecturer in the department, increasing our teaching staff strength by one, Mrs. Awo Asiedu, who had been away on study leave in the UK, also returned to the Department, having completed her Ph.D.

### **Research/Projects**

#### **Owusu, M. O.**

- Traditional Sources for the Contemporary Ghanaian Playwright Shakespeare for the African Stage.
- Cultural/Social setting in Contemporary Ghanaian plays: Research challenges for the Playwright.

#### **Asiama, E. K.**

- "Animal Revolt", a Theatre for Development project at E.T. Sutherland Drama

Studio, Legon.

- “The Great Census” a drama project at Tema Community 4, Trinity Presby Church of Ghana.
- “The Great Ride “a drama project at Tema Community 4, Meridian Presby Church of Ghana.
- “The Triumphal Entry” a drama project Tema Community 7, Joint Church.
- Colonial Photos Exhibition at Ghana Museum and Monuments Board’s Gallery, Accra.

### **Asiedu, Awo Mana**

- West African Theatre Audiences: A study of Ghanaian and Nigerian Audiences of Literary Theatre in English”. Unpublished PH.D. Thesis, 2003.
- “The Involvement of Ghanaian Youth in Theatre”, on-going research.

### **Arkhurst, Sandy**

- Folk Media Development: Appropriating Folk Media for Contemporary Use.
- Performer/Audience Relationship in African Drama.
- Participatory Methods of Development in Ghana.
- John Hopkins University, Centre for Communication Programme (JHU-CCP) 2003 (Consultant).
- Mmofra Foundation (Children Against AIDS) 2003 (Consultant).

### **Publications**

#### **Owusu, M. O.**

- *Studies Notes on Ama Ata Aidoo’s Anowa*, Pearson- Longman, Harlow, 2003.
- *The Twins*, a PANAFEST production 2003. World Alliance of Reformed Churches Conference in Accra, 2004.
- *The Voter’s Power*, written and Directed for Electoral Commission (Ghana) for National Television, 2004.

#### **Asiedu, Awo M.**

- Reviews of *Fertile Crossings: Metamorphoses of Anglophone West African Literature*, by P. Deandrea and Ama At Aidoo’s *The Girl Who Would be King and Other Stories*, in *African Theatre*, Oxford, Bloomington and Johannesburg: James Currey (Forthcoming).

#### **Djisenu, J. K.**

- Directing: *Through a Film Darkly* by J. C. deGraft. Staff productions with ALT 310 class. Literature Department, Kenyatta University. (June-August, 2004)

#### **Aveh, A.**

- Production Consultant, “The Killing” (2002), a feature film Zone Productions, USA, in association with Delta Entertainment. Written and directed by Joe Brewster Directed “Cosmic High Court” (2004), a screen and stage adaptation of “In the High Court of Cosmic Justice” (From Kofi Anyidoho’s *Earth Child* Writer/Director/Editor, “Enyonam” (2004), a short feature film for

Students Against AIDS with funds from Ghana AIDS Commission.

**Asiama, E. K.**

- **Oral History and Cultural Practices of The Buem (2003) Accra: Media Design** "The Medicinal Values of Cocoa – An alternative Income Earner for Ghana" *The Mirror*, 24th April, 2004.

**Conferences/Workshops**

**Asiedu, Awo Mana**

- International Conference on 'Literary Manifestations of the African Diaspora', University of Cape Coast, 10-14 November, 2003. Presented a paper on: "Returning to the "Motherland", Illusions and Realities: Eulalie Rush in Aidoo's *The Dilemma of a Ghost* and Mimi and Uli in Onwueme's *Legacies*". "The Cultural Context of Audience-Performance Interactions", Paper presented at the Department of Theatre Arts Seminar Series, October, 2003 "Any Good Play Should Reach any Audience". A paper presented at the May, 2004 Faculty of Arts Annual Colloquium.

**Djisenu, J. K.**

- 'Cross-Cultural Bonds between Ancient Greece and Africa: Implications for Contemporary Staging Practices'. A paper tabled at the Open University Conference, May, 2004, UK.

**Aveh, A**

- Co-ordinator, WiderNet Project Decision-Maker Workshop & Technicians Training Workshop, University of Ghana, Legon (June 2003) 18th Pan-African Festival of Film and Television (FESPACO), Ouagadougou, Burkina Faso. Theme: *The Role of the Actor in the Creation of the African Film* (Feb. – March 2003 CODESRIA African Humanities Institute Programme, International Symposium at University of Ghana, Legon under the theme: *Canonical Works and Continuing Innovation in African Arts and Humanities*. (Sept. 2003) "How far Are We? Locating Ghana in the Cinematic World". A paper presented at Department of Theatre Arts, University of Ghana, Legon, 2003 Seminar Series (Nov. 2003) CODESRIA 30th Anniversary Conference on the theme: *30 Years of Social Science Research and Knowledge Production*, Dakar, Senegal (Dec. 2003) Co-ordinator, Digitization Workshop for Librarians, University of Ghana, Legon (June 2004). Visiting Scholar, International Programs, University of Iowa, Iowa City, USA (Summer 2004).

**Asiama, E. K.**

- "The Medicinal Values of Cocoa" at the Cocoa Research Institute, Tafo-Akim, September, 2004.

**Arkhurst, Sandy**

- An Overview of Theatre in Ghana, 2003. Community Participation – Its Cultural Relevance, 2003. Working with Children: Process of Creating Improvised Drama, 2004. Professional Actor Training: Discovering Psychology, Motivation and Subtext in Realistic Drama, 2004. Knowledge, Attitude, Beliefs and practices of two Catchment areas as a basis for interventions in Home

Based Care of persons Living with AIDS, 2004. Centre for Democratic Development: Workshop on Communication for Democracy (Erata Hotel, Okponglo) Resource Person, 9-11 July 2003. J. H. U – CCP Workshop on AIDS for Religious Leaders (La Saab Hotel, Kumasi) Resource Person, 10-16 August, 2003. Workshop for Teachers of Drama (for AIDS Programme) Institute of African Studies, Legon. Resource Person. 4-6 February, 2004.

## DEPARTMENT OF MUSIC

### Overview / Courses:

The Department of music offers a wide range of academic and practical courses in the following programmes: Ph.D. (3 years full-time & 5 years part-time) M.Phil (a 2 year programme with focus on Musicology), M.A. (a 1 year research oriented programme in Ethnomusicology), B.A./B.Mus (3 years), B.F.A (4 years), as well as a two year Diploma in General Music.

The Department's enrolment stands at 1146 total. This includes students majoring in music as well as a good number of non-majors. There are 2 Ph.D. students and 23 graduate students in the MA and M.Phil. programmes. There are, 34 Foreign students, 961 undergraduate students in B.A, B.F.A and B.Mus. and 128 students altogether in the Diploma programmes.

Detailed enrolment figures are as follows:

Dip. in General Music		
I	-	43
II	-	85
B.A./B.F.A 100	-	390
B.A./B.F.A/200	-	417
B.A./B.F.A./B.MUS 300	-	122
B.A./B.F.A./B.MUS 400	-	32
M.Phil/M.A		
I	-	14
II	-	9
Ph.D.	-	2
Foreign Students	-	34
<b>Total</b>	<b>-</b>	<b>1146</b>

Courses in Music of Africa (Theory and Practicals) continue to attract an increasing number of international students (Visiting/Special/Exchange) under the University of Ghana linkage programmes. This year there are a total of 29 exchange students. The Department will continue to improve the quality of instruction in both academic and practical development of skills. It aims to define key areas of specialization

designated as follows:

- African Musicology
- Musicology/Ethnomusicology
- Theory and Composition
- Popular Music (African, World, Black Diasporic)
- Music and technology (Electro-acoustic Music)
- Church Music, Choral Music and local gospel
- Out-reach and Work experience programme (Process of Arts)

The Department is equipped with a few computers with some music applications installed on them to enable students to interact freely with some of the “cutting edge” technology in music application. So far students’ interest in this new area of the Department’s programme has been over-whelming. The computer laboratory has become a major resource and nerve center for the Department. Staff and Students are now able to transcribe, compose, orchestrate, arrange and print their works as well as record music using resources available for studio sound processing. We no doubt need some funding to maintain and improve the available facilities.

The Department takes tremendous pride in providing musical support at several University ceremonies, (the Congregation, Matriculation, Awards ceremonies, and University Athletic programmes etc). Off-campus, individual students continue to provide music leadership in the communities and in Churches around the Accra metropolis and beyond.

### **Workshop**

First Semester 2003/4 academic year. A workshop was arranged between the Dept and the Goethe Institute with the avant-garde classical German musician Moritz Eggert. A performance of him and some of the Dept students subsequently followed at the Goethe Institute in Accra. An arrangement was made between the Dept and the Swizz Embassy for the By-Spiel jazz group to do a workshop at the university. In Sept., 2004 a presentation to the students was made by the traditional xylophone player Kakraba Lobi.

### **Collaborations**

Collaborations between the Music and Department were as follows.

For the first Semester End of term dance a collaborations with Pidgin Studio and the Native Spirit and Bawa-Saba bands was organized. Officials of the American Embassy Public Affairs (David Queen and Sally Hodgson), Musicians Union (Sidiku Buari), Actors Guild (David Dontoh) and Old Musicians Welfare Association (Stan Plange) were invited as special guests of honour. Other collaborations were also undertaken with the Presence youth artistic talent-scout NGO, and also with the Hope Alive (HUD Group) organization which together with the Music Dept organized a night of classical music by young performers at the Great Hall in January, 2004.

### **Donations**

Dr. Kim (Dept piano instructor) and her husband (Y&J Pharmaceuticals) donated a grand piano and two electric pianos to the Department. Dr. Kim began working as an instructor. Due to Prof. Collins having organized the US Black History Month for the American Embassy Public Affairs Section in 2002, the Public Affairs Section gave two Grants (each of 3,000 dollars) to the Music Dept when Prof. Collins took over as Head in Sept., 2003. These monies are now lodged with the University external accounts for special projects: these being the Process of Arts outreach project and a grant for Highlife and Education Books/Materials. Monies from the second grant have so far been used to buy a CD player, fan, four pentium 3 computers with music software, two acoustic guitars, copies of some bound educational books on famous highlife musicians (King Bruce and E. T. Mensah), twenty local African drums and some assorted percussion instruments (*For the distribution of Process of Arts money see separate section*). Mr. Santos has also bought in some new teaching materials in them form of music CD's and videos related to the courses on Black Diasporic and World Music that he is teaching.

### **Process of Art Outreach Program**

Due to the American grant of 3,000 dollars it became possible to send students on work experience projects and assist them with a small grant of 100,000 cedis each (for travel expenses and for presentation of final write-up on project) So far 25 students have taken advantage of this new development. Areas or institutions they have worked with include the following: radio programs for Radio Univers on highlife, reggae and gospel music, work at such commercial recording studios as Pidgin Studio and Kampsite Studio in Accra, organizing an audition for the visiting UK pop band One Giant Leap, participation in organization of the Crown Talent Hunt Music Competition, the arrangements for advertising, the making of jingles and a Press Conference (at Busy Internet) in connection with a fund raising Music Dept concert.

### **Drum Village**

University's permission to go ahead with the drum-village project was given in The Fall of 2003 and in Sept., 2004 money was released through the School of Performing Art (plus some seed money from the Music Dept Students Association Legon. MUSAL) to begin building the first stage of the project which will consist of a music instrument storeroom, an office for traditional instruments instructors and a refreshment area.

### **Exchange Programs**

During trips to Germany and Scandinavia in 2004 by Professor Collins moves towards establishing a student/lecturer exchange program with the Music School of Hanover University in Germany, the Rhythmic Music Department of the Royal Academy of Music at Aarhus in Denmark, and the Sibelius Music Academy in Finland were initiated.

### **New Course Structure**

About eight staff meetings were held in 2003/2004 to specifically work on re-organising the courses and codes of the Music Dept. This was done in full consultation with the staff and took an inclusive approach that built on work done by previous Dept Heads, including the important contribution (particularly on music studio courses, popular music courses and the Process of Art program) made by Dr. Anku during his six year term as Head of Department. Particular attention was also made to co-ordinate the new course system with the recently established B.F.A program of the School of Performing Arts. The new course system will be presented for approval to the Faculty of Arts Committee in the 2004/2005 Academic year.

### **Staffing Position**

The academic staff strength stands at 17. There are 10 full-time, 5 part-time faculty members 2 Instructors and 2 on post-retirement contract. These include 1 Professor, 4 Senior Lecturers, 5 Lecturers, 4 Tutors. Mr. T. E. Andoh, a Lecturer, is on a 5 year part-time study leave, while Mr. A. Dzokoto has taken 2 year part-time study leave.

The supporting staff strength stands at 6. There are 3 administrative staffs, 3 drum instructors and 2 service personnels.

### **Research**

During the year, staff are engaged on research projects indicated against their names:

#### **Darkwa, A.**

- Symbolic Associations of Traditional African Musical Symbolic Associations of African Musical Instruments.
- The role of Hymns in Presbyterian Church Worship in Ghana.
- The Background of the Performers of Ghanaian Gospel Music.

#### **Collins, J**

- On-going research into African popular dance music, neo-traditional music and local music industry. Also World Music and Black Diasporic Music.

#### **Andoh, T. E.**

- Choral Music of early Ghanaian composers.
- History of the evolution of Ebibidwom: The Akan sacred lyric, in the Methodist Church, Ghana.
- A Hand Book on Music and Dance for Training Colleges with J.A. Amuah.
- M.K. Amissah: An assessment of his Choral Works
- In preparation: E. Pappoe-Thompson A Critical Review of his Choral Works
- (In preparation) Choral Works of Some Early Ghanaian Composer: (with analysis)

#### **Anku, W. O.**

- On-going research on A Theory of Rhythm and Structure in African Music.
- Computer aided research in African music.

**Amoah, G. M.**

- Collection and compilation of African folk tunes as suitable teaching materials for beginners in Violin.

**Dzokoto, A.**

- On-going research into relationship between Jazz and African Gospel Music.
- Arrangement of Folk Music for Brass Band and other related Western Ensembles.

**Boamah, E.**

- Piano Recordings with Unique FM 95. Programme: "Maestro of the Night"
- Research Project: African Pianism
- Original Piano Compositions

**Santos, J.**

- Research into African American music, particularly jazz, Afro-Cuban & Haitian music.

**Conferences/Seminars/Workshops**

**Anku, W. O.**

- 2003: International Symposium on The Music of Africa: *Topic*: Structural Set Theory of African Music. Oct. 10–11, Princeton University.
- 2003: University of Pretoria, Music Dept Seminar: *Topic*: Theoretical Principles of African Music. Sept. 28–Oct. 3. Pretoria.
- 2003: International Association of Sound Achivist Conference: *Topic*: Musical Transcription and Virtual-Scape: Reconstructing Collective Memory. Sept. 21–25, Pretoria.
- 2003: Seminar & Lectures on Form and Structure of African Music & Music in African community life; Portland State University, Oregon. International Fellowship Programme. Summer (July/Aug. 2003).
- 2003: Faculty of Arts Colloquium; University of Ghana. Research in Progress. May, 2003.
- 2003: Musical Transcription and Virtual-Scape: Reconstructing Collective Memory. IASA (International Association of Sound Achivist) Conference: Sept. 21–25, Pretoria. (forthcoming).

**Collins, J**

- Sabbatical one month residency 23 February–23rd March, 2003 at Dartington College UK and lectures/workshops at Cambridge University Music Department, Anglia Polytechnic University, School of Oriental and African studies and Exeter University.
- 'One Hundred years of West African Highlife: African "Guitarism" paper at

the 1–4th August, 2003 ‘Second International Symposium and Festival on Composition in Africa and the Diaspora’ held at Churchill College, Cambridge University, organised by Professor Akin Euba.

- Showcasing Archives in Africa: The BAPMAF Highlife Centre. Paper read at the ‘Audiovisual Archives: Memory and Society’ Conference of the International Association of Sound and Audiovisual Archives (IASA), held at the University of Pretoria, South Africa, 21–15 September, 2003.
- Member of nine person panel of UNESCO on safeguarding of the Intangible Cultural Heritage: Traditional Music and Dance, at UNESCO Headquarters, Paris 15–16 December, 2003. Visit to UNESCO Global Alliance for Cultural Diversity Section.
- World Music: A Stimulus to Ghanaian Tourism, Education and ‘Cross-over’ Musical Collaborations. Paper read at Faculty of Arts Colloquium, on Globalisation and the Humanities, University of Ghana, Legon, 5–6th May, 2004.
- The Impact of African American Performance in Africa from 1800. Paper read at 19th International Biennial Conference of the African Studies Association of Germany (VAD) on African in Context: Historical and Contemporary Interactions with the World, Held at the University of Hanover, Germany 2–5th June, 2004.
- Urbanisation and Popular Music in Ghana. Paper read at 2004 Annual Conference of the Historical Society of Ghana, University of Ghana, Legon, 14–16th July, 2004.
- Denmark 20th–24th September, 2004: lectures on African rhythms and drum/guitar workshops at the Rhythmic Music Department of the Royal Academy of Music in Aarhus and the Rhythmic Music Conservatory Copenhagen.

#### **Darkwa, A.**

- Ford foundation Conference/workshop on Building the Culture Africa Network (CAN) Project and Technical Workshop, Maputo, Mozambique, May 8–12, 2001.
- The National Research Foundation (RSA) Seminar/Workshop on Research in African Music: Its Relevance in Music Education in South Africa; Department of Music, University of Transkei, Umtata, September 12–14, 2001.

#### **Fiagbedzi, N.**

- Conferences attended: CODESRIA African Humanities Institute Symposium held in Legon Sept. 17–19, 2003, Chairman for Panel X; Foundation Works in African Music & Dance Sept. 19, 2003.

#### **Kongo, Z.**

- Workshop on Afro-Barometer of Democracy: (CDD) Ghana Center for Democratic Development, Aug. 2003.
- Princeton University: 10–11 October, 2003, Symposium on Structures in African Music.

## Publications

### Collins, J.

- Eight entries (on the Ghanaian and Liberian popular music and recording industry) for the Continuum Encyclopaedia of Popular Music of the World Vols. I and II (eds. John Shepherd, David Horn, Dave Laing, Paul Oliver and Peter Wicke) published by Cassell, London, March and May, 2003.
- The 'Folkloric Copyright Tax' Problem in Ghana. *Media Development, the Journal of the World Association for Christian Communication*, London. No. 1, 2003, pp 10-14.
- Fela and the Black President Film: A Diary. Chapter in the book *Fela: From West Africa to West Broadway*, (ed) Trevor Schoonmaker, Palgrave/Macmillan Press, June, 2003. 2003, pp. 55-77.
- Ghanaian Women Enter into Popular Entertainment. *Humanities Review Journal*, (ed) Dr. Foluke M. Ogunleye, Vol. 3, No.1, (ISSN 1596-0749), Published by the Humanities Research Forum, University of Idadan and Obefemi Awolowo University, Nigeria, June, 2003, pp.1-10.
- Music and Mathematics. In: *History of Philosophy and Science for African Undergraduates*, (ed) Helen Lauer, Hope Publications, Ibadan, Nigeria, 2003, pp. 688-678. (ISBN No 978-37018-0-0).
- Urban Anxiety and its Sonic Response. *Glendora Review*, Lagos, Nigeria, (ed.) Olakunle Tejuoso, Vol. 3, No, 2 & 4, 2004, pp 23-8.
- Entry on Music: West African "Highlife". For *African Folklore: An Encyclopedia*, (eds) Phillip Peek and Kwesi Yankah. Routledge, New York and London 2004, pp. 275-276.

### Darkwa, A

- Book on "Profile of Music and Dance Traditions in Kenya: Ethnographic Survey" (in preparation).

### Kongo, Z

- ISME Workshop: Pretoria 2003 January, Co-author of *Musical Arts of Africa*: see Chapter on Improvisation and Extemporization in the sub-Saharan Africa.

### Fiagbedzi, N

- Book on Form and Meaning on Ewe song *A Critical Review* (ready for publication).

### Anku, W. O.

- 2003: *Musical Transcription and Virtual-Scape: Reconstructing Collective Memory*. IASA (International Association of Sound Archivists) Conference: Sept. 21-25 Pretoria. (forthcoming)
- 2003: *Oral Composition – Composing techniques of Akan, Ewe and Ga cultures*. *Musical Arts in Africa: Theory, practice and education*. Edited by Anri Herbst, Meki Nzewi, Kofi Agawu. University of South Africa, Pretoria pp 118 – 141.
- (Forthcoming) *Circles and Time: A Theory of Structural Organization of*

Rhythm in African Music. In *The Composition and Transmission of Musical Forms in Africa*, edited by Kofi Agawu and Kofi Anyidoho. Dakar: CODESRIA.

- (Forthcoming) *Improvisation in Sub-Saharan African Music: Theory and Practice*. In *The Composition and Transmission of Musical Forms in Africa*, edited by Kofi Agawu and Kofi Anyidoho. Dakar: CODESRIA.

## DEPARTMENT OF DANCE STUDIES

### Overview/Courses/Students

The Department of Dance Studies continued to offer programme in African dance and related fields. Its programme leads to a four-year Bachelor of Arts degree, four-year Bachelor of Fine Arts degree and a two-year Diploma in Dance Studies. The two-year Diploma programme also served as a pre-requisite qualification for "O" level students and teachers wishing admission to the Bachelor of Fine Arts.

A Master of Fine Arts and Master of Philosophy programme have been added to the post-graduate programme of the Department of Theatre Arts for the benefit of students interested in combined studies of dance and drama. Students of the post-graduate programme are also offered the opportunity to take courses run by the Institute of African Studies.

The Department's teaching and research programme are developed from four central concepts of **appreciation choreography, performance and documentation**.

Studies in appreciation lead to the ability to make an informed and critical judgement about the form and nature of the dance, as well as the relationship of related art forms. The study of **choreography** emphasizes techniques concerning the making and development of dances, dance-drama and organized movement activity in pageantry, while **performance** looks at the technical training of the student in movement expression and dancing. **Documentation** is concerned with studies in movement analysis and notation as well as the dance video and film.

Other areas that have been dealt with in the dance programme are the study of the geographical, historical and cultural contexts of the dance, including movement aspects of customary behaviour, costumes, make-up, paraphernalia, properties, theatre management, stage-craft, aerobics/movement techniques, African instrumental music performance and songs.

The Department's programme continued to attract a lot of students, including foreigners. Foreign students, during the year, took courses and conducted research

into aspects of performance studies, the relationship of African dance and instrumental music, and dance ethnology. Sixty-eight foreign students were enrolled during the year.

### Student Numbers

#### 1st Semester

B.A. Level 100	-	131
B.A. Level 200	-	59
B.A. Level 300	-	5
B.A. Level 400	-	5

B.FA. Level 100	-	430
B.F.A. Level 200	-	36
B.F.A. Level 300	-	36
B.F.A. Level 400	-	10

Diploma I	-	75
Diploma II	-	75

**Total** - **865**

Foreign Students - 41

### Student Numbers

#### 2nd Semester

B.A. Level 100	-	160
B.A. Level 200	-	57
B.A. Level 300	-	6
B.A. Level 400	-	4

B.FA. Level 100	-	431
B.F.A. Level 200	-	36
B.F.A. Level 300	-	33
B.F.A. Level 400	-	13

Diploma I	-	79
Diploma II	-	80

**Total** - **899**

Foreign Students - 28

### Structural Facilities

Structural Facilities - Classrooms, offices and dancing halls were very limited. The Department could therefore not offer enough space to the numerous students for movement activity and sound learning.

## **Publications/Productions/Conferences**

### **Adinku, W. O**

- Cultural Education in Ghana: A case Study of dance Development in the University system. Dance Chronicle Vol. 27. Number 1 Marcel Dekker, Inc., New York 2004 pp. 49-66.
- Teaching Dance Education in Public Elementary Schools in Ghana, Legon Journal of The Humanities. Volume 14. Faculty of Arts, Legon. 2003. pp 21-28.

### **External Examiner**

Acted as External Examiner in the Department of Music, Dance and Drama, Makerere University. Kampala, Uganda.

### **Newman, S. A.**

- Directed a full length Dance Production with the students at the Department entitled "The Gospel in Dances".
- Toured and performed with Church Dance Group at over Forty different locations within the year.
- "To be African is to Dance" pp.26-28 in Horizon The Magazine for Presbyterian Women Vol. 16 2. Louisville. U.S.A.
- Dollas, Texas U.S.A. Attended Conference in August, 2003 of the International Christian dance Fellowship and led a number of workshops on African dance Technique, also gave a number of performances.

## **Research Area**

### **Newman, S. A.**

- Has initiated An African Dance Exercise Session to keep people fit for the General Public. Result has been exciting.

### **Kwakwa, P. A.**

- On-going research: Documentation of Dance Forms of Ghana.

## **Staffing**

- 1 Associate Professor
- 2 Senior Lecturers
- 1 Lecturer
- 1 Tutor
- 2 Senior Staff
- 4 Junior Staff
- 2 National Service Personnel.

## **The Efua T. Sutherland Drama Studio**

The Efua T. Sutherland Drama Studio has continued to maintain its role as the Performing Arts Centre of the University.

The main stage of the Studio has served as the venue for performances by the staff and students of all sections of the School as well as other external users.

The year under review has also seen the Studio ploughing back part of its profit into painting and general repairs. 400 new plastic chairs have also been purchased to add to the existing stock.

## **Abibigromma**

Abibigromma the Resident Theatre Company of the School of Performing Arts, Legon, continue to honour and perform the duties for which it was established in 1983.

The year under review has been one of the busiest for the group in the area of research performance and public education that stretched from Senior Secondary Schools to Companies and Organizations including the media.

# **SCHOOL OF PUBLIC HEALTH**

## **Overview**

In the year under review, the School of Public Health continued working towards the achievement of its major objectives of producing Public Health practitioners who are capable of providing effective leadership, diagnosing community health problems as well as planning and organising effective measures to solve identified community health problems. The School also undertook research activities as part of its mandate.

## **Courses**

The School offered the twelve-month Master of Public Health Programme (September – August) as the main course it runs. Additionally, the Master of Philosophy and Doctor of Philosophy Programmes were run.

### **(i) Master of Public Health (MPH) Programme**

The School admitted an unprecedented number of 35 students for the 2003/2004 academic year. This was in view of high demand for enrolment in the programme. The 35 admitted were made up of Physicians, Graduate Nurses,

Pharmacists, Social Scientists, Social workers and Nursing Tutors. With the graduation of this batch of residents 189 people have so far graduated from the School's programme. Three residents were referred and one person failed

Details of MPH Admissions for 2003/2004 Academic Year.

#### Number of Students by gender

Female	-	12
Male	-	23
<b>Total</b>	-	<b>35</b>

#### Background of Students

Doctors	-	18
Social Scientists	-	8
Pharmacists	-	3
Nursing Tutors	-	2
Occupational Health Scientist	-	1
Health Researchers	-	1
Nurses	-	1
Health Administrator	-	1
<b>Total</b>	-	<b>35</b>

- (ii) Master of Philosophy in Public Health three of the (4) four M.Phil candidates of the School completed their courses during the year under review. The three were Mrs. Judith Stephens, Dr. Margaret Kweku and Dr. Benjamin Abuaku. Mrs. Patience Aniteye's thesis is under review.

#### Details

Physicians	-	2
Biologist	-	1
Graduate Nurse	-	1
<b>Total</b>	-	<b>4</b>

#### (iii) Doctor of Philosophy in Public Health

The Students admitted into the Ph.D Programme continued with the writing of their thesis. They are Dr. Mawuli Gyakobo, Mr. Uri Mckapko Selome and Mr. Philip Asante. No candidate has so far graduated from the Ph.D programme.

#### Details:

Doctor	-	1
Biologists	-	2
<b>Total</b>	-	<b>3</b>

#### Short Courses

The School mounts short courses in response to specific needs of the ministry of Health and other agencies. Such courses take place during the field practice period, when MPH students are away in the districts. However, the regularly run

short course of the School is the Social Mobilization for health and development course which was first organized in the 1998/1999 academic year. The course is run in collaboration with UNICEF Ghana. Other short courses at their planning stages are the Management of District Health Systems, Maternal and Family Planning and Child Health Services.

### **Short Course on Social Mobilisation for Health and Development**

This is a six (6) week Course run annually by the School. The year under review saw the sixth in the series, having started in June 1999. The aim of the course is to improve the capacity of personnel in Anglophone Sub-Saharan Africa to respond effectively to the social needs of national developmental programmes.

The Course was initiated by the School in collaboration with UNICEF who sponsored the maiden one. Since then, the course has been self-sustaining, and it has trained people who have been provided with requisite skills in social mobilisation. Demand for the course has been rising yearly with 2004 course having 39 participants. Some foreign nationals who have benefited from this course have come from Nigeria, Liberia, Togo, Namibia and Kenya. Course evaluations have indicated participants' appreciation for the course in terms of the course having an impact on their career development. Out of the 39 participants for the year under review, 23 were males and 18 were females. Out of the 23 males there was one foreigner from Liberia and out of the 18 females there were 2 foreigners (an Ethiopian and a Liberian to be specific).

Majority of the participants were sponsored by UNICEF and the rest by WHO, CARE International, NADMO, Community Water and Sanitation Agency, UNFPA, Ghana Health Service. Participants have year after year recommended that the course be upgraded to a diploma-awarding course that can be taken during the long vacation for a period of 3 years.

### **National Diploma in Public Health (NDPH)**

The National Diploma in Public Health (NDPH) programme, which is being developed in the context of the on-going national education programme, is still on the drawing board. It is being developed for further training of health professionals who possess post-secondary qualifications and a number of years working experience in professional areas related to health.

### **Other Relevant Courses**

The School managed to put the necessary structures in place to inaugurate the Ghana College of Physicians and Surgeons. Structures are being put in place to prepare physicians for other professional examinations such as the Fellowship programme of West African Postgraduate Medical College.

### **Staffing**

### **Permanent Academic Staff**

The number of permanent lecturers on the academic staff of the School increased to 10 in the year under review. The 2 academic staff who proceeded on the leave of absence returned during the year. The School managed to achieve this feat through a conscious effort geared towards the encouragement of prospective applicants and a continuous postage advertisement in the university website and the daily newspapers. Under the framework of the staff development initiative, the school has appealed to its alumni who are qualified to show interest by applying to teach and help their alma mater. The School also pointed out the advantages of taking up teaching appointments in the university.

### **Part Time Academic Staff**

The number of part time staff also increased from 35 to 41 in the year under review. Most of these part-time teachers were drawn from relevant Schools, Institutes and Departments of the University of Ghana. Other experts from outside were drawn from GIMPA, Ghana Health Services, Ministry of Local Government and Rural Development, the National Population Council, Unilever Ghana Limited, Accra Metropolitan Assembly, Department of Community Water and Sanitation etc.

These experts from outside the School teach in various fields including Biostatistics, Disease Control, Epidemiology, Maternal and Child Health, Nutrition, Occupational Health, Social Sciences etc. The inputs of part-time teachers drawn from such wide spectrum of industries whose activities are relevant to public health bring a blend of skills to bear on the training offered under the MPH programme and the short course on social mobilisation for development run by the School.

### **Field practice**

In view of change of some District and Regional Directors of Health Services, and some complaints regarding the field practice in the previous year, the Field Team made up of Three Faculty Members toured the various field sites and made some changes in the field work accordingly. For instance, no candidate was posted to Yendi because of the crisis that had engulfed the place as a result of the Yana's death. The various District Directors of Health Services in the field sites assisted in the supervision of students. The field practice was sixteen (16) weeks and it ended August, 2004. Regional Directors of Ghana Health Services acted as back up supervisors to the District Directors who exercised direct supervision over the MPH Residents on Field practice.

To ensure uniformity in policy for the various districts, the annual supervisor's orientation, and workshop was organised to discuss pertinent issues concerning field practice specialists from collaborating Research Centres, (Navrongo and Kintampo Health Research Centres) and Ministry of Health.

However, the School implemented its new programme, which sought to review

the field practice component. Thus meeting the current National and Global health needs. This was based on the changes in focus and changes in the basis of training the students. Background of students, which hitherto was mainly physicians, has now been varied and has included programme officers from NGOs, tutors from Ministry of Health training facilities, Social workers etc. The field practice, made up of Dissertations, Logbook, Health Problem, District Profile and Management Problem was seen as too loaded and therefore changed to focus on Dissertation and Logbook alone. Some residents (depending on their background) were made to have their field practice in Accra and were attached to relevant institutions as part of the restructuring exercise. However, the School's attempt at making 7 districts "centres of excellence" is still on the drawing board. The field team is yet to submit their report for consideration.

### **The Development of five Departments**

The structure of the various Departments was developed as planned. The Heads of the Departments organised series of workshops and meetings to develop their curricula. The Department of Population, Family and Reproductive Health managed to finetune their structure and curriculum and forwarded it to the academic Board. The rest of the Departments have almost completed the development of their structures and curricula and would very soon forward them to the Academic Board.

### **Structure of the Departments**

- (i) Units of the Department of Health Policy, Planning and Management
  - 'Health Financing and Economic Aspects of Health' headed by Dr. Nii Ayite Coleman
  - 'Management' headed by Mr. A. A. D. Obuobi
  - 'Health Systems Research' headed by Dr. Irene Agyepong
  - 'International Health' headed by Dr. F. K. Wurapa
- (ii) Units of the Department of Population Family and Reproductive Health
  - 'Population Unit' headed by Prof. C. Ahiadeke
  - 'Reproductive Health Unit' headed by Dr. Rexford Asante
  - 'Family Health Unit' headed by Dr. Gloria Quansah
  - 'Adolescent Health Unit' headed by Dr. Phyllis Antwi
- (iii) Units of the Department of Biostatistics and Epidemiology
  - 'Biostatistics and Research Methods' headed by Dr. O. B. Ahmad
  - 'Epidemiology Unit' headed by Dr. F. K. Wurapa
  - 'Disease Control Unit' headed by Dr. J. Gyapong
  - 'Health Informatics Unit' headed by Prof. F. Binka
- (iv) Units of the Department of Biological, Environmental and Occupational Sciences
  - 'Biological Basis of Public Health' headed by Prof. Isabella A. Quakyi

- 'Occupational Health Unit' headed by Dr. A. B. Quainoo
  - 'Environmental Health Unit' headed by Mr. H. Noye-Nortey
  - 'Ecology Unit' headed by Prof. E. Laing
- (v) Units of the Department of Social and Behavioural Science
- 'Health Communication' headed by Dr. Edith Tetteh
  - 'Health Promotion' headed by Dr. Matilda Pappoe
  - 'Theory and Research' headed by Dr. Margaret Gyapong
  - 'Social and Behavioural Science' headed by Dr. K. Sennah

### **Report on Activities of the Department of Population Family and Reproductive Health**

The School of Public Health, University of Ghana received funding from the Bill and Melinda Gates Institute for Population and Reproductive Health at the Johns Hopkins Bloomberg School of Public Health to create a new department of PFRH Sciences. The overall goals of the collaboration were in six areas as follows:

Faculty Development and recruitment of core PFRH staff,

Staff/Student Exchange,

- Development of Curricula for new postgraduate degree options at masters and doctoral levels,
- Collaborative research and advance research training, and
- Educational infrastructure construction.

(i) **Activities undertaken so far include:**

- Setting up, furnishing and equipping the offices of the Department,
- Core Faculty Group formation,
- Procuring and installing Educational IT infrastructure support,
- Formation of project management team,
- Curriculum Development and design of courses
- Continued teaching of existing courses in the Department,
- Drawing up and execution of a research agenda,
- Preparatory work toward the construction of a permanent building to house the Department.

(ii) **Faculty Development:** The faculty development component involved the engagement of five (5) senior public health professionals on temporary appointments as an academic consultant team to start off the implementation phase. The group put together to work for six months in the first instance was made up of two public health physicians, a pediatrician and an obstetrician/gynecologist. This task force became the core implementers of the project and has been ably supported by an enthusiastic group of fourteen (14) part-time faculty to carry the project forward. Additionally, two faculty and two research assistants have also been recruited to the existing core PFRH faculty.

(iii) **Curriculum Development:** The curriculum development tasks resulted in

a new MPH (*PFRH Option or Career Track*) now well developed after intensive and extensive consultation with interested stakeholders, GHS and NGOs culminating in a workshop. The curriculum, which offers to students, choices among 12 PFRH courses, has received preliminary approval from the Academic Board of the College of Health Sciences and awaiting authorization of the University's Academic Board of Research and Graduate Studies to commence next academic year.

(iv) **Teaching and Training:** Activities in the Department have included team building and group formation exercises as well as self-orientation to the Departmental tasks. The core group have been participating in this training either as resource persons or learners in several training workshops on Integrated Management of Childhood Illnesses, Health Information Systems and research Methodology organized by the MOH/Ghana Health Service during the year. Teaching of the regular courses of the Department (i.e. family health, road safety, district level response to HIV/AIDS etc) was undertaken and well patronized.

(v) **Research:** There are several research activities either completed or underway in the Department. Among them are:

- Research findings and their application in healthcare quality improvement in Ghana – a review and follow-up studies on MPH dissertations at the School of Public Health,
- Piloting in Ghana of a collaborative study between UGSPH and JHBSPH) on the use of the Internet by youth in seeking answers to and information on their health problems and issues of interest to them. The preliminary phase has already been completed and the next about to start.
- Some Junior Faculty/doctoral students are accessing an in-house research fund of \$15000. The proposals that are to benefit from this fund are in the following subject areas:
  - Urban environmental exposures and the health of street vendors and other street populations in a large city in Sub-Sahara Africa (**Julius Fobil**). To build his capacity to deal with topic effectively, Mr. Fobil has been nominated by the US Embassy in Accra to participate in a US government-sponsored international visitor leadership program on urban environmental issues to take place in the United States, February 3–25, 2005.
  - Rapid diagnostic test of malaria for pregnant women (**Uri McKakpo**).
  - Effect of health insurance on survival in-tact of pregnant women (**Mawuli Gyakobo**).
  - Traditional practices, myths and beliefs about menstruation and their impact on the quality of family life and health in three ethnic groups in Ghana (**Agnes Kotoh**).

**Report on Activities of the Department of Health Policy, Planning and**

## **Management 2003/2004**

There was a one-day Departmental retreat in April to review the curriculum for the two courses GSPH 608 and 609 and the existing modules for these courses were revised. A draft curriculum for a short course on Health Regulations in Ghana was prepared by the unit of Health Economics with hope mounting the course for health managers in the near future. Work has continued on the development of detailed curriculum for M.Phil level courses in the Department.

During the year under the review the following part-time lecturers participated in the teaching programme of the Department:

- Dr. M. E. K. Adibo – Health Systems and their organization
- Mr. Alfred Obuobi – Principles of Management
- Dr. Ken Sagoe – Human Resource Management
- Dr. Irene Agyepong – Organizational Culture and Design
- Dr. Nii Ayite Coleman – Economics of Health
- Mr. Patrick Nomo – Financial Management
- Mr. Prince Boni – Health Information Systems
- Dr. F. K. Wurapa – Challenges and Strategies of Health Systems.

## **Report on the Activities of the Department of Social and Behavioural Science**

The Department offers a wide range of skills, techniques and knowledge through a combination of courses from different disciplines. Recognizing that Social, Cultural, Physical and Biological factors affect a wide range of conditions, it is important that the design and implementation of health and developmental interventions address such generic issues. The focus of the Department is therefore on the integration of biomedical, social, psychological and behavioural factors to enhance the development of public health and related activities.

During the year under review, the Department had a three-day retreat to design its plan of action. The Department will offer programmes in MPH with concentration in health promotion and health communication, M.Phil in Public Health and Ph.D in Public Health. The Department also proposed short courses that would be run during the long vacation in health and advocacy in addition to the existing social mobilization and development. Outlines for the various units are being prepared by the unit heads. The Department hopes to organize one more workshop to finalise its curriculum development for submission to the College Academic Board.

### **Aim**

The aim of the Department of Social and Behavioural Sciences is to train and equip students with knowledge and skills in the Social Sciences to enable them perform or function effectively as public Health practitioners at the district, regional, national and international levels.

### **Objectives**

- (a) To assist students to understand and appreciate the importance of the socio-cultural and structural factors influencing health development.
- (b) To equip students with knowledge and skills to enable them identify and prioritise Public Health and Development problems, which will require social science inputs in their solution.
- (c) To understand and apply the key concepts, theories, principles and methods in social sciences.
- (d) To equip students to understand and appreciate the biological bases of public health and developmental issues.
- (e) To equip students to appreciate and understand group dynamics, team building and teamwork in matters relating to public health.
- (f) To develop strategies and action plans to address identified public health and developmental problems.
- (g) To develop students to effectively and efficiently manage integrated interventions.
- (h) To develop in students the need for ethical values and consideration in matters relating to public health and development.

### **Report on Activities of the Department of Biological/Environmental and Occupational Health Sciences**

During the year under review the Department simplified its name by changing the name from the 'Department of Biological Basis of Public, Environmental and Occupational Health Sciences' to 'Department of Biological, Environmental and Occupational Health Sciences'. The various unit heads have been tasked to put together their curriculum for the MPH, M.Phil and the Ph.D with concentration in Biological, Environmental and Occupational Health Sciences. The Biological group worked hard to develop a field site at Kpong-on-the-sea for various research activities on malaria. Two national service personnel who were assigned to the School last year have been recruited as Research Assistants on the study.

### **Report on activities of Ghana Malaria Centre (2003/2004)**

The focus of Ghana Malaria Centre, in the School of Public Health, University of Ghana, Legon has been the strengthening of capacity for malaria control at the community level through the mother caregiver advocates training programme, the monitoring of the Community-based advocates programme and integrating it into the District Health Systems. The GMC Project Team working with the SPH Faculty is providing support to the district programmes. Discussions are ongoing at all levels, including the Regional Health Administration (RHA), District Health Administration (DHA) and District Assembly (DA) on the integration of the Advocates programme in the district health systems.

- (i) SPH/GMC collaboration with Partnership for Social Science and Malaria

Control (PSSMC) and Ghana Health Service (GHS) to develop proposal on capacity building for social science inputs into malaria control.

The GMC was involved with the development of a proposal for strengthening social science inputs into malaria control. The proposal is a collaborative effort involving the School of Public Health, Ghana Health Services, PSSMC and GMC. It will lead to the development of capacity of social scientists working at the district and regional levels to enable them make significant contribution to malaria control in the sub-region.

(ii) **Steering and Technical Committee meetings**

Two Steering Committee meetings were held during this period in March and May. At the March meeting, the Steering Committee was briefed about the progress of the GMC programme in the communities. At the May, 2004 meeting the Job description for the Coordinator for GMC and the appointment to the second vacant project officer and driver positions were discussed.

A Technical Committee meeting was held on the 5th of March, 2004. The progress of GMC community-based activities was discussed. The issue of replication of the programme was raised and discussed. The Manager, National Malaria Control programme for Ghana, who is a member of the GMC Technical Committee, attended the first quarterly GMC Technical Committee meeting held on the 5th March, 2004. At the meeting members were informed of the progress of the Community Advocates training programme and the development of the monitoring and evaluation framework for the programme. She asked for a budget estimate for the programme so as to integrate it into Ghana's Global Fund proposal. The request followed discussions on replication and scaling up of the programme in other districts in the country. The Programme Manager for National Malaria Control Programme (NMCP) indicated that the Community-based Advocates training programme could be integrated into the NMCP activities the 41 Roll Back Malaria (RBM) Accelerated districts. Request made at Technical Committee meeting. This has been submitted and acknowledged by the NMCP office.

A joint extraordinary meeting of the Steering and Technical Committees was held on the 20th December, 2004. Objectives of the meeting was to review the progress of the Ghana Malaria Centre and determine the way forward at the end of the Gates Malaria Partnership phase I. The meeting was well attended and consensus on the direction for the development of programmes in the Centre was reached.

(iii) Support visits to Shama Ahanta East Metropolitan Area (SAEMA) and Asante Akyem North (AAN) and Monitoring of the Mothers/Caregiver Advocates Programme.

Support and Follow-up of Community-based training Activities was sustained.

The trained advocates in the implementing districts are continuing with their community-based training programmes. The advocates report monthly on their community-based activities to the District Health Management Team (DHMT), through their supervisors. The District Health Management Teams collate the reports and report to GMC quarterly. The capacity developed in the districts and the cumulative coverage for the advocates training activities in the districts are shown in the tables below.

**Table 1**  
**Capacity developed in the Implementing Areas for Malaria Control**

	<i>Asante Akim North District</i>	<i>Shama Ahanta East District</i>	<i>Total</i>
<b>Master Trainers</b>	5	5	10
<b>Trainers</b>	16	8	24
<b>Mother/Caregiver Advocates</b>	87	69	159

**Table 2**  
**Coverage/presence of Mother/Caregivers advocates (MCAs) in Communities**

<i>District</i>	<i>No. of Communities</i>	<i>No. of Trained MCAs</i>	<i>% Coverage</i>
ASANTE AKIM NORTH	132	87	65.9
SHAMA AHANTA EAST	129	69	53.5

**Table 3**

**Report Of Cummunity-Based MCA Programme:  
Asante Akim North District**

<i>Month Of Activity</i>	<i>No. Of Training Sessions</i>	<i>Community Members Trained</i>	<i>Malaria Case Managed</i>	<i>Malaria Cases Referred</i>
March	14	301	24	4
April	42	818	99	8
May	59	1059	58	2
June	51	1161	93	4
July	55	1127	63	9
August	107	2076	112	4
<b>September</b>	<b>69</b>	<b>1388</b>	<b>58</b>	<b>9</b>

**Table 4  
Report Of Cummunity-Based MCA Programme:  
Shama Ahanta East Metropolitan Area**

<i>Month Of Activity</i>	<i>No. Of Training Sessions</i>	<i>Community Members Trained</i>	<i>Malaria Case Managed</i>	<i>Malaria Cases Referred</i>
March	72	3150	13	0
April	137	6431	108	79
May	89	4279	31	8
June	54	2678	3	4
July	48	3138	74	19
August	40	3072	0	3
<b>September</b>	<b>33</b>	<b>2524</b>	<b>10</b>	<b>0</b>

There is a significant difference in coverage between the districts. In Asante Akim North district, the advocates' activities have been more systematic and progressive. The advocates continue with the individual and group training sessions in their communities. They supervisors continue to work with the advocate, giving them support.

A Memorandum of Understanding (MOU) has been signed by the RHAs, DHMTs, DAs and SPH/GMC to further develop, integrate and sustain the MCA programme in the implementing areas. The Centre has also presented proposals to the two districts for the funding of training of additional advocates and to sensitize Assembly Members on malaria related issues. The ultimate goal is to integrate the programme into the district-wide development and health programmes.

During the period under review, the GMC programme has developed and implemented the Community Advocates training for malaria control in the

implementing districts. A comprehensive Logical Framework Approach (LFA) for monitoring and evaluation of the MCA programme developed and consensus established with key stakeholders in the implementing areas. Discussion is currently going on with the district and regional stakeholders to establish consensus for its implementation and integration into the district health system. The LFA matrix with its narrative and budget estimate has been submitted to GMP for further funds. GMC is waiting for response to this. Meanwhile the Centre is carrying on with some activities as outlined in the activity plan.

## **10th Anniversary Celebration**

4th September, 2004 marked 10 years of existence of the University of Ghana School of Public Health. In order to celebrate the 10th Anniversary, a committee was constituted to plan an effective celebration. After some meetings and consultations, the School decided to use the occasion of its 10th anniversary to:

- Reflect on its successes and failures
- Plan its direction into the future
- Make a more visible contribution to the health of the people of Ghana
- Acknowledge the efforts and contributions of various benefactors to the School.

Towards this end, a year long celebration from September, 2004 to September 2005; on the theme "Achieving and Sustaining a Healthy Population" was planned to include the following activities:

- 9th September – Official Launching of the year long 10th Anniversary Celebration
- January 2005 – Scientific Seminar and Inauguration of the Alumni Association
- May 2005 – Public Lectures on major Public Health Issues
- September 2005 – International Conference
- On-going Public Education *on Health Issues through the Media*

At the launching stakeholders and prominent people were invited to speak on topics relevant to the health of the nation. There was alumni interaction and election of executives. The past two directors were honoured for their immense contribution to the School.

## **Publications, Conferences And Seminars Attended During The Year**

### **Quakyi, Isabella A.**

#### **Conferences, Workshops and Seminars**

- FDA/NIH Meeting to Develop a Joint Proposal to Study the Molecular Mechanisms of Malaria Pathogenesis Bethesda, U.S.A. (21st – 31st December, 2003).
- Twenty-ninth Meeting of the Research Strengthening Group (RSG29), Bangkok, Thailand (16-17 Feb. 2004).
- International Conference on Women & Infectious Diseases. CDC, Atlanta. (26th Feb. – 1st March, 2004).
- Conference of Women in Science & Engineering, Santa Clara University,

California. (8 – 12 August, 2004)

- JHSPH Bloomberg Bill & Melinda Gates Inst. Partners Meeting. (12- 17 October, 2004) Taipei, Taiwan
- 4th International Public Health Workshop (18th – 25th October, 2004) Taipei, Taiwan

## Publications

- Johnson, A. H., Leke, R. F. G., Mendell, N. R., Shon, D., Bomba-Nkolo, D., Tchinda, V., Kouontchou, S., Thuita Harun, L, van der Wel, A. M., Thomas A., Stowers A., Saul, A., Taylor, D. W., **Quakyi, I. A.** 2004. Different H. L. A. Class II Alleles Influence Antibody level to the *Plasmodium falciparum* Asexual antigens that are targets for malaria vaccines. *Infection and Immunity*. 72: 2762-2771.
- Tabi, T.E., Befidi-Mengue, R., Nutman, T.B, Horton, J, Folefack A, Pensia E, Fuaelem, R., Fogako, J., Gwanmesia, P., **Quakyi, I**, Leke, R., 2004. Human Loiasis in a Cameroonian village: A double-Blind, Placebo-controlled crossover clinical trial of a 3 day Albendazole regimen. *Am J Trop Med Hyg*. 71: 211-5
- WHO/TDR 28th Meeting of Research Strengthening Group (RSG) – Switzerland (8-15 Feb. 2003).
- WHO Vaccine Discovery Research Steering Committee Meeting at Switzerland (20-23 May, 2003)
- 2nd Partners Meeting (Bill & Melinda Gates Inst. For Population & Reproductive Health) Baltimore USA (19 – 27 July, 2003)
- Fourth Meeting of Steering Committee on Pathogenesis & Applied Genomic, Brazil (9-14 Sept. 2003).
- National Institutes of Health Colloquium on Career Paths for Women in the Health Sciences. Bethesda, Maryland. 13–19 Oct. 2003.

## Binka, F. N.

- Binka, F. N.; Anto, F. K.; Oduro, A. R.; Awini, E. A.; Nazzar, A. K.; Armah, G. E.; Asmah R. H.; Hall, A. J.; Cutts, F.; Alexander, N.; Brown, D.; Green, J.; Gray, J.; Iturriza-Gomara M.: The Navrongo Rotavirus Research Group Incidence and risk factors of paediatric rotavirus diarrhoea in Northern Ghana. *Tropical Medicine & International Health*. 2003 Sept. 8(9): 840–846.
- Ngom, P.; Debpuur, C.; Akweonogo P.; Adongo P.; Binka F. N. Gate-keeping and women's health seeking behaviour in Navrongo, Northern Ghana. *African Journal Reproductive Health*. 2003 Apr: 7(1): 17–26.
- Armah, G. E.; Steele, A. D.; Binka F. N.; Esona, M. D.; Asmah R. H.; Anto, F.; Brown, D.; Green, J.; Cutts, F.; Hall, A. Changing patterns of rotavirus genotypes in Ghana: emergence of human rotavirus G9 as a major cause of diarrhoea in children. *Journal of Clinical Microbiology*. 2003 Jun: 41(6): 2317–22.
- Kark: J.D. Kaufmann N.A. Binka, F. Goldberger, N. Berry , E.M. Adipose tissue n-6 fatty acids and acute myocardial infarction in a population consuming a diet high in polyunsaturated fatty acids. *American Journal Clinical Nutrition*. 2003 Apr: 77(4): 796-802.

## Fobil, J. N.

- Carboo, D. and **Fobil, J. N.** (2004) Physico-chemical analysis of MSW in the Accra metropolis. (*In press*) West African Journal of Applied Ecology. Vol. 4
- **Fobil, J. N.** and R. A. Atuguba. Ghana: Migration and the African Urban Complex. A Paper presented at the African in Urban Spaces Conference: "African Urban Spaces History and Culture" 28th–30th March, 2003. University of Texas, Austin.
- Ahuble, A. and Fobil, J. N. (2003) Refurbishment and Upgrading of Hydropower Plant: A Case Study of Akosombo Hydro Electric Power Plant. Proceedings of Hydro Africa 2003: International Conference on Hydropower, Arusha, Tanzania. November 17-19, 2003. Available on CD-Rom, pp.1–6, and on the Worldwide Web: <http://www.ich.no/kurs/africa/technical.pdf>.
- Carr, E. and **Fobil, J. N.** (2004) Migration and the Environment: Power and Drivers in Rural Ghana. Proceedings of the Association of American Geographers (AAG), 2004 Annual Meeting Program. Available on the World Wide Web:[http://convention.allacademic.com/aag2004\\_view\\_paper\\_info.html?pub\\_id=866](http://convention.allacademic.com/aag2004_view_paper_info.html?pub_id=866).

### Book Chapter

- **Fobil, J. N.** and Atuguba, R. A. (2004) Ghana: Migration and the African Urban Complex. In: Globalization and Urbanization in Africa (Falola, T. and Salm, S. J. (Spring 2004), Africa World Press Trenton, NJ forthcoming).

### Academic Staff

- Prof. I. A. Quakyi – Director/Head of Department of Biological Issues in Public, Environmental and Occupational Health
- Dr. E. Amuah – Field Coordinator
- Dr. O Ahmad – Course Coordinator/Head of Department of Biostatistics and Research Methods
- Dr. F. Wurapa – Head of Department of Health Policy, and Planning Management
- Dr. R. O. Asante – Head of Department of Population, Family and Reproductive Health
- Dr. M. Pappoe – Head of Department of Social and Behavioural Science
- Prof. F. N. Binka – Head of Department of Epidemiology
- Dr. Phyllis Antwi
- Dr. P. Kuranchie
- Dr. J. Gyapong
- Dr. G. Amofa
- Dr. M. Gyapong
- Dr. G. Quansah-Asare
- Dr. J. Tuakli Ghartey
- Mr. J. N. Fobil
- Mrs. J. Stephens
- Mr. U. Mckakpo Selome
- Mr. I. N. Soyiri

Mr. H. Noye-Nortey  
Dr. A. B. Quainoo  
Dr. W. Bosu  
Dr. E. Amuah

### **Administrative Staff**

Mr. E. Poku-Sarkodee	-	Assistant Registrar
Mr. J. O. Tettech	-	Chief Accountant
Mr. E. Boateng	-	Course Secretary
Mr. Abraham Quansah	-	Administrative Assistant
Mr. E. A. Hormeku	-	Administrative Assistant
Mr. S. Soroku	-	Accounts Clerk
Mrs. Cynthia A. Afetsi	-	Senior Clerk
Miss Nancy Y. Agbanu	-	Clerk Grade II
Miss Eva Takyiwa	-	Typist Grade II
Mr. Simon Zong-Bil	-	Messenger
Mr. Richard Awartey	-	Messenger
Mr. Benjamin Akafo	-	Messenger

## **UNIVERSITY OF GHANA BUSINESS SCHOOL (UGBS)**

### **Overview**

The University of Ghana Business School successfully ran its academic programmes in the year under review.

The EMBA continued to receive a high level of patronage with two admissions within the year.

The Danida Centre's Research projects for Senior researchers of the Centre were also organised. One Ph.D candidate is being sponsored by the Centre.

An Export forum was also organized by the Danida Centre for Researchers and Practitioners to exchange ideas in the area of Internationalization of Ghanaian firms and export businesses.

The CMRPD continued to run short courses in administration, management and finance for staff of the School, public servants as well as other interested clientelle.

### **Courses Offered**

The School offered courses at the Diploma, Bachelor and Master's levels in Banking/Finance, Human Resource Management, Accounting, Public Administration, Insurance, Marketing, Health Services Administration and Management Information Systems.

### Student Numbers

Diploma in Accounting I	-	51
Diploma in Accounting II	-	64
Diploma in Public Administration I	-	70
Diploma in Public Administration II	-	52
B.Sc. Admin Level 100	-	320
B.Sc. Admin Level 200	-	483
B.Sc. Admin Level 300	-	466
B.Sc. Level 400	-	389
B.A. (Admin.) Level 200	-	36
B.A. (Admin.) Level 300	-	73
B.A. (Admin.) Level 400	-	80
Master in Business Administration I	-	134
Master in Business Administration II	-	121
Master in Public Administration I	-	30
Master in Public Administration II	-	21
<b>Total</b>	-	<b>2,390</b>

### Staff Position

The breakdown of staff at post was as follows:

Professor	-	1
Senior Lecturers	-	13
Lecturers	-	26
Senior Administrative Staff	-	6
Senior Staff	-	32
Junior Staff	-	50

### Sabbatical/Study Leave/Leave of Absence

Six lecturers were on various types of leave in the year under review.

### Research/Projects

The various research projects were undertaken by members of staff.

#### Abor, Joshua (2004)

- Financing of Non-Traditional Exporters in Ghana, Danida Centre for International Business, University of Ghana Business School.

#### Adjasi, C. K. D (2004)

- "Trade and economic growth: Further Empirical Investigations in Africa".

**Adjasi, C. K. D (2004)**

- “Poverty over time and space: A Decomposition Analysis using the Sen Shorrocks Thon Index.”, University of Ghana Business School

**Addy, N. R. K.**

- Developing sustainable competitive advantage for Ghanaian Pineapple Growers and Exports in Selected European markets.

**Hinson, R. B.**

- Exporting and the Internet in Ghana Current Use Figures and Internationalization Issues – Working Paper (**R. Hinson**) **Danida Centre for International Business, UGBS**)

**Kastner, A. N. A.**

- Sustainable Competitive Advantage and Competitive Strategy: A Study of Selected Firms in Ghana’s Non-Traditional Export Sector

**Kyereboah-Coleman, A. (2004)**

- Does microfinance really help the poor?

**Kyereboah-Coleman A. (2004)**

- Monetary policy and mobilization of savings in Ghana”.

**Kyereboah-Coleman, A. (2004)**

- The effects of inflation, treasury bills and lending rates on reserve requirements compliance by rural/community banks in Ghana.

**Osei, K. A.**

- Macroeconomic Factors and Share Prices on the Stock Market.

**Publications**

**Abdulai, A. I.**

- (2004) “The Context of Human Resource Management in the Ghanaian Public Sector,” *African Administrative Studies*, Number 62, pp. 33-47.

**Abdulai, A. I.**

- (2004) “The Relevance of Islamic Values and Teachings for Decentralization and Development in Ghana,” in Rogelio Villegas (ed.) *Development Work at Local Level*, Akademie Klausenhof, Hamminkeln-Dingden, Germany, pp. 14-22.

**Aboagye, A. Q. Q.**

- “Financial Liberalization and Security Returns in Ghana”, in S. Mensah and T. Moss, *African Emerging Markets Contemporary Issues Vol.2*, published by the African Capital Markets Forum, 2004.

**Abor, J. (2004)**

- Working Capital Management and Corporate Profitability: Evidence from

**Abor, J. (2004)**

- Technological Innovations and Banking in Ghana: An Evaluation of Customers' Perception. *Journal of International Financial Analyst*, Vol. 5, Summer, US ([www.financialcerified.com/journal.html](http://www.financialcerified.com/journal.html))

**Boachie-Danquah, Y.**

- (2004) "A Study of the Implementation Practices of the Poverty Alleviation Fund in the Kpando and Ga Districts," *Journal of Management Studies*, [Forthcoming], 19(1)

**Boachie-Danquah, Y.**

- With Stephen Adei, "The civil Service Performance Improvement Programme (CSPIP) in Ghana: The Lessons of Experience," *AAPAM*, Volume xiv, No. 1 & 2, May 2003, pp. 11-23.

**Domfeh, K. A. (2004)**

- "Protection and Promotion of Human Health in Africa," in *Regional Sustainable Development Review*, edited by Emmanuel Boon, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the Auspices of the UNESCO, Eolss Publishers, Oxford, UK, Online: [<http://www.eolss.net>]

**Domfeh, K. (2004)**

- "Policy Options for Combating Desertification and Drought," in *Regional Sustainable Development Review*, edited by Emmanuel Boon, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the Auspices of the UNESCO, Eolss Publishers, Oxford, UK, Online: [<http://www.eolss.net>]

**Domfeh, K. A.**

- (2003) "The New Public Management: The Experience of Ghana," *GIMPA Journal of Leadership, Management and Administration*, 2(1):23-41.

**Hinson, R. B.**

- **Lagos Business School Management Review** (January – June 2004 (Nigeria) Export and the Internet in Ghana: A Small & Medium Enterprise Exporter Benefit Model" (R. Hinson) Volume 9 Issue 1 Pages 46 – 53.

**Hinson, R. B.**

- **African Renaissance (London)** An Upside Down Look at Marketing Communications in Ghana (in Press) (**R. Hinson**) (2005).

**Kastner, A. N. A.**

- Kastner, Adelaide Naa Amerley (2003): "Sustainable Competitive Advantage and Competitive Strategy: A Study of Selected Firms in Ghana's Non-Traditional Export Sector", Ph.D Thesis, Aalborg University, Centre for International Studies, Denmark.

**Kyereboah-Coleman, A. (2004)**

- An investigation into the determinants of Commercial Bank Profitability and

Interest Margins: The case of Ghana. First African Finance Journal Conference Proceedings. [www.acia.sun.ac.za/](http://www.acia.sun.ac.za/).

**Kyereboah-Coleman, A.**

- Determining the Relationship between Deposit Mobilization and Macroeconomic Variables in Deposit Money Banks: Evidence from Ghana. First African Finance Journal Conference Proceedings [www.acia.sun.ac.za/](http://www.acia.sun.ac.za/)

**Ofori, D. (2004)**

- Service Strategies for a Global Brand in a Developing Country Context: A Case Study of Caterpillar in Ghana. The Marketing Challenge, The Journal of the Canadian Institute of Marketing, 7, 2. [www.cinstmarketing.ca](http://www.cinstmarketing.ca).

**Owusu-Frempong, L. Y. (2004)**

- "Poverty Reduction in Ghana: The Search for Rational Policies, Programmes and Strategies, *African Quarterly*, (Forthcoming) Volume 44, Number 2.

**Owusu-Frempong, L. Y. (2004)**

- With Charles Blankson and Chris H. N. Mbah "An Exploratory Study of Country Tourism Positioning," *Journal of African Business*, Volume 5, Number 2, pp113-116.

**Poku, K. A., Smith, M. W., Patterson, N. et. al. (2004)**

- *A high-density admixture map for disease gene discovery in African Americans*, American Journal of Human Genetics. 74(5) 1001-1013.

**Poku, K. A., Stocki, S., Williams, S. M., Asare, D., Gordon, Moore, J. (2004).**

- *Prevalence of obesity and hypercholesterolaemia in Sunyani*. (Abstract). Abstract Book. First Annual Scientific Conference, University of Ghana, Medical School. May 11-13, 2004. La Palm Royal Beach Hotel, Accra.

**Poku, K. A. (2004)**

- HIV/AIDS-related economic stress among persons Living with AIDS/HIV and their caregivers in rural Ghana. (Abstract) Chronic Disease and Disability Section – Western Social Science Association – Salt Lake City, Utah, April 21-24, 2004.

**Poku, K. A. and Anang, R. K. (2003)**

- **Employers perception of HIV/AIDS at Workplaces in Ghana**. Journal of Management Studies, Vol. 18(2) 40-49 (Special Issue).

**Poku, K. A. and Kandoole, B. (2003)**

- The Effects of HIV/AIDS on Small Enterprises Survival in Southern Africa. Journal of Management Studies, 18(2): 18-27 (Special Issue). Poku, K. A. (2003).
- The AIDS scourge: Why some men in Ghana would not use condoms. Benin Journal of Social Sciences, Vol. 10 & 11 I(Nos. 1 & 2) 47-60.

**Puplampu, B. B. (2003a).**

- The 'Neglected Professions' – Why don't we study Taxi Drivers, Waiters, Farmers, Street Sweepers and...? *The Occupational Psychologist*, 48, 3-9.

**Puplampu, B. B., Lewis, C.**

- References in Employee Selection: Prediction or & Hogan, D. (2003b) Verification? *Ife Psychologia: An International Journal of Psychology in Africa*. 11, 1, 1-11

**Puplampu, B. (2004a)**

- Belling the Cat. Towards a Taxonomy of Organizational Culture in Ghana *Ife Psychologia: An International Journal*, Vol. 12, 1, 1-6.

**Puplampu, B. (2004b)**

- A Political and Economic History of Ghana 1957-2003. In *International Business and the Challenges*. 2004. *of Poverty in the Developing World*. Eds. 2005. Bird, F. & Herman, S. Palgrave Macmillan, 2006. Eastborne.

**Puplampu, B. (2004c)**

- Capacity Building, Asset Development and Corporate Values: A Study of Three International Firms in Ghana. In *International Businesses and the Challenges of Poverty in the Developing World*. Eds. Bird, F. & Herman, S. Palgrave Macmillan, Eastborne.

**Conferences/Seminars attended by Staff and papers presented**

**Abdulai, A. I.**

- Workshop for District Assembly Members and Aspirants to Parliament and District Assemblies (at Tamale, Yendi, Bolgatanga, Wa, and Damango), Under the Auspices of TEPPCON and Konrad Adenauer Foundation (KAF), June-December, 2004. Paper Presented: "The Relevance of Islamic Values and Teachings for Decentralization and Development in Ghana."

**Aboagye, A. Q. Q.**

- "Performance of Micro-Finance Institutions in Ghana under Financial Liberalization". Conference: Regional Conference on **The Impact of Financial Liberalization on the Poor**, Cotonou, Benin, October, 2003. Sponsored by the **International Organization** and funded by the Dutch Government.

**Abor, J. (2004)**

- How are SMEs Financed? Empirical Evidence from Ghana, Institute for Small Business Affairs 27th National Conference, University of Teesside, UK, ([www.isba2004.org/Papers&Authors.html](http://www.isba2004.org/Papers&Authors.html))

**Abor, J. (2004)**

- Internationalization and Financing Options of SMEs in Ghana, Institute for

**Abor, J. and Taadi, E. (2004),**

- Financing Real Estate Companies in Ghana: Some Empirical Evidence, First African Finance Journal Conference, South Africa (July, 2004), ([www.acia.sun.ac.za/](http://www.acia.sun.ac.za/))

**Abor, J. and Hinson R. (2004)**

- Financing Small and Medium Scale Exporters in Ghana: The Role of a West African Regional Bank, First African Finance Journal Conference, University of Stellenbosch Business School, South Africa (July, 2004), ([www.acia.sun.ac.za/](http://www.acia.sun.ac.za/))

**Abor, J. and Hinson R. (2004)**

- The Regulatory Framework and Internet Banking in Ghana: An Exploratory Study, First African Finance Journal Conference, University of Stellenbosch Business School, South Africa (July, 2004), ([www.acia.sun.ac.za/ACMain.htm](http://www.acia.sun.ac.za/ACMain.htm))

**Adjasi, C. K. D.**

- *Advanced Poverty Analysis Workshop* (World Bank Institute/African Economic Research Consortium) March 1-9, 2004, Nairobi-Kenya. Paper presented: "Poverty Profile and determinants of poverty in Ghana. Some conceptual issues"

**Adjasi, C. K. D.**

- *First African Finance Journal Conference* African Centre for Investment Analysis/ University of Stellenbosch Business School South Africa 14-15th July, 2004. Paper presented: "Stock Market Volatility in African Markets: The Case of the Ghana Stock Exchange" Conference Proceedings [www.acia.sun.ac.za/](http://www.acia.sun.ac.za/)

**Adjasi, C. K. D.**

- *First African Finance Journal Conference* African Centre for Investment Analysis/University of Stellenbosch Business School, South Africa 14-15th July, 2004. Paper presented (With Kyereboah-Coleman A): "Determining the Relationship between Deposit Mobilization and Macroeconomic Variables in Deposit Money Banks: Evidence from Ghana." Conference Proceedings [www.acia.sun.ac.za/](http://www.acia.sun.ac.za/)

**Adjasi, C. K. D.**

- *African Economic Research Consortium (AERC) Biannual Workshop* May 28-June 4, 2004, Nairobi Kenya Paper presented (with Anthony Coleman): "Sustainability and Success of microfinance: The case of Ghana."

**Addy, N. R. K.**

- Quality Consumer Service Delivery  
Audience: Frontline and Support Staff of Ghana Association of Travel & Tours

Agencies (GATTA) – July 18, 2003.

**Addy, N.R.K.**

- Building Customer Relationships through Effective Communication  
Audience: Frontline and Support Staff of Doscar Travel & Tours Agency – March 20, 2004.

**Addy, N. R. K.**

- Effective Role Playing and Problem Solving in a Winning Team  
Audience: Management & Staff of Doscar Travel & Tours Agency – July 24, 2004

**Boachie-Danquah, Y.**

- 5th Urban and City Management Course for Africa: Face-to-face Distance Learning Version, Organised by the World Bank, October 20-24, 2003. Paper Presented: “Networking as a Component of Urban Management,” Published Online: <http://www.worldbank.org/wbi/urban/papereum.htm>

**Domfeh, K. A.**

- Workshop on Environmental Management Systems for Ports and Harbours in Ghana, Organized by the International Centre for Sustainable and Enterprise Development (ICED), the Free University of Brussels, and the Ghana Ports and Harbours Authority, ERATA Hotel, Accra, March 29-31, 2004. Papers Presented: (1) “Demographic Trends and their Impacts on the Port Environment,” and (2) “Ecological and Environmental Planning: Application for Port Management in Ghana.”

**Gyasi, M. A. K.**

- Economic Liberalism and Decentralization (Workshop on the Constitution and Economic Liberalism in Ghana). Organizers: Ghana Centre for Democratic Development and Friedrich Nuaumann Foundation–October 16–18, 2003.

**Gyasi, M. A. K.**

- Transfer of Public Bureaucracy ( Public Colloquium on Towards smooth Democratic Regime Change in :Ghana). Organizers: Ghana Academic of Arts and Sciences and Friedrich Ebert Stiftung.

**Gyasi, M. A. K.**

- Public Service Appointments and Compensation Packages (Symposium on Political Corruption in Ghana)- Organisers: Ghana Integrity Initiative – April 27, 2004-11-12.
- Manifestations of Corruption in Ghanaian Society (Workshop to Promote Good Governance in Ghana) Organizers – Ghana Integrity Initiate – June July, 2004.

**Hinson, R. B.**

- **National HIV/AIDS Research Conference.** Programme 11th – 13th February, 2004.

Innovative Behaviour Change Communications: Analyzing the Impact of GSMF's Commercial Driver's Program (Drive Protected) (Lokko, K., Banful, A., R. Hinson) page 32.

- Creative Advertising as a Behaviour Change. Communication Tool for fighting the HIV/AIDS Pandemic: A Profile of Ghana's Most Creative Advertising Agency, page 67.

#### **Hinson, R. B.**

- **African Business and Development Conference** (Atlanta) 7 – 10 April, 2004. Internet Use Patterns among smaller Non-Traditional Exporters from Ghana (R. Hinson, Kevin Ibeh – University of Strathclyde).

#### **Hinson, R. B.**

- **First Africa Finance Journal Conference.** Proceedings, University of Stellenbosch, Western Cape, SA 14 – 15 July, 2004
- The Technological Environment of Banks and its usefulness to Consumers: A Case Study of Barclays in Ghana (R. Hinson, P. Ayitiah) Pages 51-58.
- Financing Small and Medium Scale Exporters in Ghana's Non-Traditional Exporter Sector: The role of a West African Regional Bank (R. Hinson, J. Abor) Pages 13-19.
- The Regulatory Framework and Internet Banking in Ghana: An Exploratory Study: (R. Hinson, J. Abor, Armah Akotey).

#### **Hinson, R. B.**

- **9th Export Development Sector Forum, University of Ghana Business School** 28th July, 2004.
- Financing Non-Traditional Exports – The Role of Prudential Bank (R. Hinson).

#### **Kastner, A. N. A.**

- July 30, 2003. Eighth Ghana Export Sector Development Forum at the University Ghana under the theme, "Regional Integration in West Africa: Implications for Export Development".

**Paper presented:** *"Competitive Advantage Of Ghanaian Firms Within An Integrated Region"*.

- Aug., 2003 Aburi Gardens International Business Research Seminar (Organized by: Danida Centre for International Business, School of Administration, University of Ghana). **Participant**
- October 24, 2003. Ph.D. Public Defence Lecture at Aalborg University, Denmark.

**Paper presented:** *"Critical Reflections On The Resource-Based-View Of The Firm And The International Value Chain Analysis – Limitations Of Their Explanatory Powers And Their Usefulness As Policy And Strategy Guidelines With Respect To The Horticultural-Sector And The Non-Traditional Export Sector In General"*.

- January 26-30, 2004, Presbyterian Church Of Ghana, Management Course for Chairpersons and Clerks at Abokobi. Theme: Towards Strategic Church

Management”.

**Paper presented:** “Leadership”

- July 28, 2004. Ninth Ghana Export Sector Development Forum at the University of Ghana under the theme, “The Institutional and Organizational Issues in the Internationalization of Ghanaian Firms”.

**Paper presented:** “The International Value Chain: Implications for Competitiveness of Ghanaian Exporters”.

**Kyereboah-Coleman, A.**

- *First African Finance Journal Conference* African Centre for Investment Analysis/University of Stellenbosch Business School, South Africa, 14-15th July, 2004. Paper presented: An investigation into the determinants of Commercial Bank Profitability and Interest Margins: The case of Ghana” Conference Proceedings [www.acia.sun.ac.za/](http://www.acia.sun.ac.za/)

**Kyereboah-Coleman, A.**

- *First African Finance Journal Conference* African Centre for Investment Analysis/University of Stellenbosch Business School South Africa 14-15 July, 2004. Paper presented (with Adjasi, C.K.D.): Determining the Relationship between Deposit Mobilization and Macroeconomic Variables in Deposit Money Banks: Evidence from Ghana” Conference Proceedings [www.acia.sun.ac.za/](http://www.acia.sun.ac.za/)

**Kyereboah-Coleman, A.**

- *African Economic Research Consortium (AERC) Biannual Workshop* May 28-June 4, 2004, Nairobi Kenya. Paper Presented (with Adjasi, C.K.D.): “Sustainability and Success of microfinance: The case of Ghana”.

**Osei, K. A.**

- African Economic Research Consortium workshop in Nairobi – December, 2003.

**Owusu-Frempong, L. Y.**

- Stakeholders’ Workshop on Policy & Regulatory Enhancement for Ghana’s Tourism Industry, Elmina Beach Resort, May 25-27, 2004. Paper Presented: “Principles and Issues to Consider in Policy Review and Enhancement.”

**Puplampu, B. (2004d)**

- Towards a model for corporate leadership in the developing world. *Proceedings of the 28th International Congress of Psychology, Beijing, China.*

**Puplampu, B. (2004e)**

- Deconstructing the current construction of the ‘Meaning of Work’ *Proceedings of the 28th International Congress of Psychology, Beijing, China.*

**Puplampu, B. (2004f)**

- Cultural Elasticities which impact organizational functioning in Ghana. *Proceedings of the 28th International Congress of Psychology, Beijing, China.*

## Benefactions

The School continues to enjoy some support from organizations. During the year under review the Management Day was organized under the theme: Business Response to HIV/AIDS in Ghana jointly organized by the Health Services Administration and the Management Unit.

Ghana Aids Commission provided ₵20 million and Coca Cola Company gave ten crates of minerals.

# INSTITUTES

## INSTITUTE OF ADULT EDUCATION

### Overview

During the year the Institute's activities centered mainly on the teaching of the formal programmes on campus and extension work in various fields in the regions. One significant event was the changing of the leadership position in October, 2003. Mrs. Kate Adoo-Adeku, a Senior Resident Tutor assumed office as Ag. Director when Prof. K. Asiedu's term of office as director ended in September, 2003.

### Staffing

The academic staff position for the year is as follows:

One (1) Associate Professor

Five (5) Senior Resident Tutors; one of them is on sabbatical leave and three others are on post-retirement contract.

Fifteen (15) Resident Tutors. Two are on study-leave pursuing courses in the USA and one is on leave of absence.

### Programmes

#### University Campus

University programmes run by the Institute were the Diploma M.A/M.Phil and Ph.D in Adult Education.

Enrolment for the various programmes was as follows:

	<b>M.</b>	<b>F.</b>	<b>Total</b>
Diploma I (Sandwich)	33	18	51
Diploma II	39	25	64
M.A/M.Phil (Fresh)	21	21	42
M.A. (Extension)	9	5	14
M.Phil (Part II)	4	3	7
M.Phil (Extension)	3	4	7
Ph.D	9	3	12
<b>Total</b>	<b>117</b>	<b>77</b>	<b>197</b>

#### Senior Secondary School programme

This programme aims at offering adults and late adolescents an opportunity to

make-up for the chance they missed in their earlier years after completing the J.S.S. or Middle School programmes. The programme has been actively pursued at Kumasi, Cape Coast, Takoradi and Koforidua. In addition, remedial classes for resit SSS candidates are organized in nearly all regional centres.

### **Two-Year Diploma in Business Studies.**

This career-oriented programme has been running in Wa, Tamale, Bolgatanga and Sunyani to prepare candidates for the relevant public examinations.

### **Access Course for Mature Students Selection Examination**

Accra Workers' College continues to be the main centre for organizing this programme. Between July and August, 2004, 668 participants took part in the programme at Accra Workers' College. For candidates who could not attend during working days, week-end programmes were organized for them at the Institute's head office at Legon, as well as Tema and Kumasi.

### **Distance Education**

#### **Diploma in Youth Development Work**

The first batch of 38 students out of the 50 who were initially admitted to the programme successfully graduated and were awarded their diplomas at the March, 2004, congregation.

The second intake of 271 students commenced their studies in January, 2004. Tutorial sessions are held for them on Saturdays and Sundays every six weeks at three centres at Legon, Kumasi and Tamale for the Southern, Middle and Northern Zones respectively. Some of the courses on the programme include:

- Management Skills
- Young People and Society
- Principles and Practice of Youth in Development Work
- Youth and Health
- Working with Young People in their Communities
- Project Planning Monitoring and Evaluation
- Gender and Development, and
- Introduction to Methodology of Social Research

The University of Ghana has oversight responsibility for the CYP programme in the Gambia and Sierra Leone. The first batch of 16 successful students in Sierra Leone were presented their diplomas at Fourah Bay College, University of Sierra Leone in May, 2004 by Messrs. T. Tabi, Acting Director of the Academic Affairs Department, University of Ghana and R.A. Aggor, the Coordinator of the programme.

#### **Reducing the HIV/AIDS Stigma Project**

A partnership was initiated in March, 2004 between Simon Fraser University, in Canada, University of Ghana, University of Cape Coast and University of Education, Winneba, to run a project on reducing the HIV/AIDS Stigma in Ghana through

Data on the existing practices were collected from each zone. Information was also sought from respondents regarding persons who should be contacted, and the type of reforms that should occur in a particular type of practice. The project is in a stage of designing relevant messages towards the individuals concerned. The next stages of the project will be the testing and dissemination of the messages toward the modification or elimination of the negative practices.

- **Film Production and Video Screening**

The centre has produced a documentary drama (Video Cassette) on HIV/AIDS. The video which is in Ewe is entitled "**Tso Lolo Na Wo**" (Show Compassion). It demonstrates the need for society to avoid stigmatization of HIV/AIDS patients and provide them with support.

- **Skill Training for Inmates/Officers of Ho Prisons**

The office has also began skill training programme for fifty (50) selected inmates/Officers in the Ho Central Prisons. Trainees comprise six females and forty male inmates, as well as four Officers. The three months programme is aimed at equipping the inmates with income-generation skills. It will also enable the Officers to supervise trainees as they practise after the training period. So far, trainees have been taken through the preparation of body and hair pomades. Inmates and Officers are very enthusiastic about the programme.

- **Population/Health Education Programmes**

Community-based/target oriented public education programmes were organized for individual communities and identifiable groups in the Ho Municipality. This covered video screening followed by general discussions on the critical screens identified by the audience. Programme organizers supported the audience by drawing special attention to unobserved scenes in videos. Areas covered include sexually transmitted diseases particularly HIV/AIDS, population, and youth behaviours.

The Tanyigbe community, trainees of the E.P. Church Activity Centre at Ho and the Women's Fellowship of the Global Evangelical Church were served.

**Mim-Ahafo HIV/AIDS Project (Inter-Regional Co-operation Project)**

The Centre is serving as a collaborating agency in a baseline study at Mim in the Brong Ahafo Region of Ghana. The programme, which is aimed at collecting information in the knowledge, attitude and practice (KAP) of the people in HIV/AIDS, covers the ten (10) paramunicipalities in the Brong Ahafo region.

## Projects

### Canada-Concert Project

The Canada-IN-CONCERT project was a collaborative venture between the Ministry of Adult Education and the Institute of Renewable National Technology at the Kwame Nkrumah University of Science and Technology. The project was supported in part by the Lakehead University, and the University of Ontario, Canada. It was the major project in the western and northern regions of Ghana. The project which is funded by

the Canadian International Development Agency officially came to an end in the year.

In view of the enthusiasm shown by the project demonstration communities, efforts are being made by the two local institutions to consolidate the achievements.

- **Street Children's Project**

Many of the so-called "street children" are young adults; some are even parents who require education to live more meaningful lives.

In the course of the year, the Institute, in collaboration with the Ghana Poverty Reduction Committee, embarked on a four phase programme on street children. The phases involve a study of the backgrounds and identification needs; designing training material for the training of field staff on street children; training of selected personnel from field organisations, and counselling of street children. The Institute is currently undertaking the first phase which involves a field survey in four towns Accra, Kumasi, Sekondi-Takoradi and Tamale.

## Publications

The following persons authored the underlisted chapters in *The Practice of Adult Education in Ghana*, published by the Ghana Universities Press, Accra, in 2004 and Edited by K. Asiedu, K. Adoo-Adeku and A.K. Amedzro:

**D. Oduro-Mensah:** *Philosophical Basis of Adult Education in Ghana.*

**K. Kusi-Nkrumah:** *The Social Context of Adult Education in Ghana.*

**Hayford Benjamin Kwasi:** *Agricultural Extension and Rural Development in Ghana.*

**Albert K. Amedzro:** *University-Based Adult Education in Ghana 1948 – 2000*

**Kate Adoo-Adeku:** *Adult Education and Women in Ghana.*

**Kate Adoo-Adeku:** *The Aged in Ghana.*

**Albert K. Amedzro:** *Non-Governmental Organisations in Adult Education in Ghana: The Case of Ghana Institute of Linguistics, Literacy and Bible Translation.*

**Samuel Kofi Badu-Nyarko:** *Environmental Education in Ghana*

**Hayford Benjamin Kwasi:** *Civic Education in Ghana.*

**R.A. Aggor:** *Distance Education in Ghana: Past, Present and the Future.*

**Evelyn Appiah-Donyina:** *Financing Adult Education in Ghana.*

**F.G. Adjei:** *Training of Adult Educators in Ghana.*

**Samuel Nsowah:** *Entrepreneurship Development Training Programmes in Ghana.*

## Other Publications

- Aryee, E.A.: *Foundations of Adult Education Practice in Ghana.*
- Aggor, R.A., Addo, A.K., Adoo-Adeku, K. Kwapong, O. Nkansah-Amankra, S. Sefa-Dedeh, A. and Tagoe, M.A, *HIV/AIDS Counselling and Care Giving*, Institute of Adult Education, Legon, 2003.

Module 1 : Background Information on HIV/AIDS

Module 2 : Impact of HIV/AIDS

## Staffing Position

1	Professor Emeritus
2	Professors ( On post-retirement contract )
5	Associate Professors
5	Senior Research Fellows
8	Research Fellows
1	Assistant Registrar
1	Assistant Librarian
1	Archivist
36	Senior Staff
69	Junior Staff

## Senior Members

Prof. Takyiwa Manuh	- Associate Professor, Director
Prof. Joseph Hansen Kwabena Nketiah	- Emeritus Professor
Prof. Mary E. Kropp Dakubu	- Professor (on contract)
Prof. Christine Opong	- Professor (on contract)
Dr. Irene Odotei	
Mr. Atukwei Okai	- (on contract)
Mr. F. Nii-Yartey	- Senior Research Fellow
Prof. A. K. Awedoba	- Associate Professor
Dr. Owusu-Brempong	- Senior Research Fellow
Prof. (Mrs) Brigid Sackey	- Senior Research Fellow
Dr. Akosua Adomako-Ampofo	- Senior Research Fellow, Head, Societies and Culture Section
Mrs. Esi Sutherland-Addy	- Senior Research Fellow, Head, Language, Literature and Drama Section
Prof. Kojo S. Amanor	- Associate Professor
Rev. Dr. A. Ako Akrong	- Research Fellow, Head, Religion and Philosophy Section
Dr. Alex. A. Agordoh	- Research Fellow, Head, Music and Dance Section
Mr. Kwame Amoah Labi	- Research Fellow, Head, Media and Visual Arts Section
Mr. Nee Kwatey Owoo	- Associate Research Fellow
Ms. Misonu Amu	- Research Fellow
Mr. Benjamin Obido Ayettey	- Tutor
Mrs. Olive A. Adjah	- Assistant Librarian
Mrs Delali Badasu	- Research Fellow
Mr. Ebenezer Ayesu	- Research Fellow
Dr. Osman A. R. Alhassan	- Research Fellow
Mr. Edward Nanbigne	- Research Fellow
Mr. Theodore Ahuno	- Administrative Secretary
Mr. Thomas K. Aning	- Archivist

## Courses

## Level 200 Courses

The Institute continued its responsibility for teaching the Level 200 courses in African Studies. These courses were taught in two (2) parts. Eight (8) courses for the Part A on culture and development issues in Africa were taught in the First Semester. Part B, which enabled students to acquire knowledge and practical skills in Languages, African Music, Dance and Drama through participation in demonstration classes, were also taught in the first and second semesters. Level 200 Course as in the past, the Institute was responsible for teaching the Level 200 course in African Studies. This Course was again taught in two (2) parts. Part A, which was made up of six courses on culture and development issues in Africa, was taught in the First Semester while Part B, which enabled students to acquire knowledge and practical skills in Languages, African Music, Dance and Drama through participation in demonstration classes, was taught in the first and second semesters.

### Group A Group A

AFST 200	Appropriate Technology for Rural Development In Africa
AFST 200	Appropriate Technology for Rural Development In Africa
AFST 210	The Social Framework of Economic Development
AFST 210	The Social Framework of Economic Development
AFST 220	Africa in the Modern World
AFST 221	Africa and the Diaspora
AFST 230	Culture and Development
AFST 231	Chieftaincy and Development
AFST 220	Africa in the Modern World
AFST 230	Culture and Development
AFST 240	Our Africa Heritage through Literature
AFST 250	African Popular Culture: Traditional Festivals and Funeral Ceremonies
AFST 240	Our Africa Heritage through Literature
AFST 250	African Popular Culture: Traditional Festivals and Funeral Ceremonies

### Group B

### Group B

AFST 260	Language Proficiency course: Ewe, Ga, Twi and Dagbani
AFST 260	Language Proficiency course
AFST 270	African Music
AFST 280	African Dance
AFST 290	African Drama
AFST 270	African Music
AFST 280	African Dance
AFST 290	African Drama

## M.A./M.Phil. (Level 600) Courses

The Institute ran M.A./M. Phil courses in the following areas in the year under review:

AFST 601	Research Methods I
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AFST 602	Research Methods II
AFST 603	Theories and Strategies for Development in Africa I
AFST 604	Theories and Strategies for Development in Africa II
AFST 605	Government and Politics of Independent African States I
AFST 606	Government and Politics of Independent African States II
AFST 607	African Oral Literature (Part I)
AFST 608	African Oral Literature (Part II)
AFST 609	Drama in African Society (Part I)
AFST 610	Drama in African Society (Part II)
AFST 611	African Literature (Part I)
AFST 621	African Literature (Part II)
AFST 613	African Social and Political Systems (Part I)
AFST 614	African Social and Political Systems (Part II)
AFST 615	Religions of Africa (Part I)
AFST 616	Religions of Africa (Part II)
AFST 617	Music in African Cultures (Part I)
AFST 618	Music in African Cultures (Part II)
AFST 619	Social Change in Modern Africa (Part I)
AFST 620	Social Change in Modern Africa (Part II)
AFST 621	African History I: Historiography and Methodology
AFST 622	Ghana Since 1945
AFST 623	The Slave Trade and Africa
AFST 624	History of Pan-Africanism
AFST 625	Ghana: Coastal States in the Seventeenth Century
AFST 626	Colonial Rule and African Responses
AFST 627	Asante 1824-1874
AFST 628	Islam and Christianity in Africa
AFST 629	Economic History of West Africa Since 1800
AFST 631	Culture and Gender in African Societies
AFST 632	Gender and Development in Africa
AFST 641	African Family Studies (Part I)
AFST 642	African Family Studies (Part II)

### Student Numbers

Level 200	6780
M.A./M.Phil	12
Ph. D	9

The Institute also hosted students from several foreign institutions:

School of International Training	25
Calvin College	17
Trent University	25
University of Trondheim	20
Memphis University	6
University of Florida	8

## Staff/Graduate Seminars

The Institute's staff and graduate seminars, which give students the opportunity to present their thesis proposals and research findings as well as expose them to broader research issues and findings by Fellows and visiting academics, came off as usual during the 2003/2004 academic year. The seminars were well patronized by staff, students, visiting professors, students from other Universities, University community and the wider society. A total of nineteen speakers presented papers on a wide variety of topics on Africa's Culture, Religion, History, Music, Linguistics and the Diaspora.

Listed below are topics of papers presented at the seminars:

- Emerging Demographic Directions on a Changing Continent! Sexual Issues among the Urban Poor in Nairobi: Prof. Francis Nii Amo Dodoo, Pennsylvania State University, USA, September 25, 2003 .
- The Accra women's Health Survey, Design, Content and Ethnographic opportunities: Prof. Allan Hill, School of Public Health, UG, October 2, 2003.
- Socio-cultural Influence on Choice of Traditional Medicine Versus Biomedicine in Sekyere West District, Ashanti Region: Mr. Wusu Amankwa Takyi, Ph. D Candidate, University of Surrey, UK.
- Women Working at Hair dressing: A Case Study of a rapidly increasing Business among women in urban Ghana (Madina Accra): Yukiyo Oda, Ph. D Candidate, IAS, October 9, 2003.
- Religious Institutions and the Atlantic Slave Trade: An Anlo-Ewe Case Study: Anne Bailey, Fpelman College, October 16, 2003.
- Chief Asiedu Akrofi and Akwapem Paramountcy: A Case Study of Chiefly Authority and central Government: Mr. Ebenezer Ayesu, Research Fellow, IAS, October 23, 2003.
- "Encouraging Creativity through copyright protection: A new development Agenda for the African Millenium": Mr. Atukwei Okai, Senior Research Fellow, IAS, October 30, 2003.
- Marriage, childbearing and Rearing and Masculinity among Ghanaian couples: Dr. Akosua Adomako Ampofo, Senior Research Fellow, IAS, November 6, 2003.
- Implementation of Ghana's Health user Fee Policy and the Exemption of the poor: Problems and Prospects: Mrs. Delali Badasu, Research Fellow, IAS, November 13, 2003.
- Panel on Globalization and Care: Cuthbeth Baataar, Jacqueline Avotri, Nana Aba Boadu, and Prof. Christine Oppong, IAS, November 20, 2003.
- Land Resource Management in Ghana: Dr. Osman Alhassan, Research Fellow, IAS, February 19, 2004.
- Effective Theatrical Communication for National Development: Theatre for Development Project; Greater Accra and Central Regions: Victor K. Yankah, Ph. D Candidate, IAS, February 26, 2004.
- The Role of Mother-Tongue Literacy and the Growth of the Church: Case Study of Bimoba, Konkomba and Frafra: Mr. Joseph Tetteh, Ph. D Candidate, IAS, March 4, 2004.

- “Post Cold War Conflicts in Africa – Causes, Dynamism and Impact” Mr. Richard Asante, Research Fellow, IAS, March 10, 2004.
- A Language for Africa – The African Tower of Babel. Linguistic Prisons and the United States of Africa: Mr. Atukwei Okai, Senior Research Fellow, IAS, March 18, 2004.
- Land Rights Registration in Ghana: Some Evidence from the field: Dr. Osman Alhassan, Research Fellow, IAS, March 30, 2004.
- Representation and Ideology in Contemporary Motion Picture Practice in Ghana: Mr. Africanus Aveh, Ph. D Candidate, School of Performing Arts, April 15, 2004.
- Continuity and Change: A Case Study of the Court Musical Traditions of the Ahanta and the Nzema of Western Region of Ghana: Mr. Godwin K. Adjei, Research Fellow, IAS, April 15, 2004.
- “Between Death and Funeral: Mortuaries and the Exploitation of Liminality in Kwahu” Sjaak Van Der Geest, University of Amsterdam, The Netherlands, April 1, 2004

## **Research Activities**

### **Manuh, Takyiwaa**

- Gender Violence in Ghana
- Female Entrepreneurship in Ghana ( with Dr. Kojo Saffu, Brock University, Canada).
- Securing Land Rights for the poor in Ghana (with Dr. Osman Alhassan)
- Gender and Higher Education in Ghana
- African studies textbook (with Mrs. Esi Sutherland-Addy)

### **Awedoba, A.**

- Ethnographic Study of Trachoma in the Wa District of the Upper West Region
- Population, Poverty and Culture

### **Badasu, D. M.**

- Childcare among Ewe Migrants in the City of Accra.
- Ghana’s Health Policy

### **Kropp Dakubu, M. E.**

- Sociolinguistics:
  - (a) A Pilot Survey of Language use in La Households
  - (b) A Survey of Multilingualism among Dagomba in 3 Tema Communities
- Syntax:
  - (a) Ga multi-verb constructions
  - (b) Gurene verb constructions
- Gurene-English Dictionary

### **Alhassan, O. A-R**

- Land Rights Documentation in Ghana

- Restless Youth in Northern Ghana
- Challenges of Migrant Youth in Accra
- Indigenous Resource Management Techniques

**Oppong, Christine**

- Globalization and the Changing Cultures of Survival and Care

**Sackey, B.**

- Care of the Terminally Ill
- The Cultural Management of HIV/AIDS
- Relevance of Contemporary Rites of Passage

**Sutherland-Addy, E.**

- Women Writing Africa
- Textbook on Akan Literature in Akan
- A Reader on African Studies

**Ayesu, E.**

- European activities on The Gold Coast in the 18th and 19th Centuries.
- Collection of stool Histories: Eastern and Central Regions of Ghana.
- ICT and the teaching and learning of History

**Akrong, A. A.**

- Healing in African indigenous churches: A Case Study of Twelve Apostles Church and Apostles Revelation Church in Accra.
- Delali Margaret Delali Margaret A Comparative Study of Pentecostal church of Ghana and Ghanaian Pentecostal churches in The Netherlands.
- A Comparative Study of the spread of Pentecostal/Charismatic movement in Nigeria, Togo, Ghana and Ivory Coast.

**Amoah Labi, K. A.**

- Fante *Asafo* art and Chieftaincy regalia in Ghana
- Research on the history of Museums in Ghana and chieftaincy regalia

**Okai, A.**

- The Infrastructural symbolism in the African Novel
- The imprisonment and liberation of the reality in the African Novel
- The systems of images and system of values of Modern African Poetry

**Nii-Yartey, F.**

- Development of Contemporary African Dance in Ghana
- Codification of Contemporary African Dance
- Preparation of Contemporary African Dance Syllabus for Secondary Schools in Ghana

Publishing and the development of literature.

**Amu, M.**

- Handbook on *Atentenben* – Exercise and Simple tunes
- Emergence of Art Music in Ghana – Stylistic and Textual Sources: A Case Study of Dr. Ephraim Amu.
- Women in Music – Biographical work of some personalities

**Agordoh, A. A.**

- Gospel Music Industry in Ghana
- The Present State of Church Music in Ghana
- Influence of African American Religious Music on the Ghanaian Church
- Nketia the Composer: His Style and Expressions

**Adjei, G. K.**

- The State of Court Music in Ahanta and Nzema Traditional Areas: A Study of Continuity and Change.

**Adjah, O. A.**

- Automation of Library System

**Publications**

The following titles were published between September, 2003 and September, 2004:  
Research Review

*Research Review* NS Vol. 19. 1

*Research Review* NS Vol. 19. 2

*Research Review* NS Vol. 20. 1

Vol. 20 No. 2 is in preparation.

As previously, articles are still available through the AJOL website, which posts the Table of Contents and Abstracts (beginning with NS Vol 15), and a searchable database of abstracts of the entire run of the journal is at the DCTAW site. New this year is our presence on the Sabinet site, which sells electronic subscriptions, mainly in South Africa. This year we received payment for 11 on-line subscriptions. Back issues will soon be available on a site being created by the Michigan Studies University Libraries' African e-journals project (Project Muse).

**Other Publications**

*The Silent Rebel*, a memoir by Kum Gandah edited by Prof. Jack Goody, published for the Institute of African Studies by Sub-Saharan Publishers (Accra). This has been printed and we will take delivery shortly.

**Staff Publications****Manuh, Takyiwaa**

- (In press) Change and Transformation in Ghana's Publicly-Funded Universities: A Study of Experiences, Lessons and Opportunities, to be published by James Currey and Sub-Saharan Publishers (with Sulley Gariba and Joseph Budu).

**Albert, A.**

- The *Pepara* Hunt among the Kasena-Nankana: A Way of Life or a Way of the Gods? in Ghana's North. *Research on Culture, Religion and Politics in Northern Ghanaian Societies*. Gottinger Kulturwissenschaftliche Schriften. Iko- Verlag Frankfurt am Main. edited by Meier B. and Kroger F. (2003).

**Sackey, Brigid M.**

- *New Dimensions in Gender and Religion*. Lexington Books: Lanham, USA (forthcoming c.a. April, 2005)
- *Apuskeleke: Youth Fashion Craze, Immorality or Female Harrassment? Etnofoor*, XVI (2) 2003: 57-69.
- "Cultural Responses to the Management of HIV/AIDS: Repacking Puberty Rites" *Research Review*, N.S. Institute of African Studies, University of Ghana, Legon. 17 (2) 2001: 63-82.

**Dakubu, Kropp M. E.**

- Ga clauses without syntactic subjects. *Journal of African Languages and Linguistics* 25. 1: 1-40 (2004).
- Interrogative Structures in Farefare. *Gur Papers/Cahiers Voltaiques* 6: 57-66 (2003).
- Towards a typology of multi-verb constructions in "Kwa" and Central Gur. *Studies in the Languages of the Volta Basin* 1:31-42. Legon: Department of Linguistics, University of Ghana (2003).
- The aspect agreement constraints in Gurene multi-verb constructions. In Dorothee Beermann and Lars Hella, eds. *Multi-Verb Constructions*, The Proceedings of TROSS-Trondheim Summer School. Norges teknisk naturvitenskapelige universitet. <http://edvarda.hf.ntnu.no/ling/tross/> 18 pp. (2003).
- with Lars Hellan, The 'vervbid' construction in Ga: a VP with adjunct function. In Beermann and Hellan eds. 19 pp. (2003).
- review of Pietro Deandrea, "Fertile Crossings; Metamorphoses of Genre in Anglophone West African Literature." *Research Review* NS 20.1:60-1 (2004).

**Sutherland-Addy, Esi**

- "Drama in Her Life; Interview with Adeline Ama Buabeng" in *Jane Plastow; 2002. (ed) African Theatre* 3; Oxford, James Currey.

**Nii-Yartey, F.**

- The Gobi Dance Suite, a paradigm of Acculturation. Institute of African Studies Legon, (2004), *Research Reviess* NS 20.1, 21-31.
- Choreography: The journey commissioned by the Adzido Pan-African Dance Ensemble, London, UK.

**Adjah, Akpebu O.**

- A guide to free online resources in African Studies. *Research Review* NS 20.1 (2004) 49-56.

### **Agordoh, A. A**

- The Music of Amu – the Teacher and Nayo – the Taught (Published by Royal Gold Publishers Ltd.. Madina-Accra, Aug. 2004)
- Evangelical Presbyterian Church and Her Musical Tradition (Published by Royal Gold Publishers Ltd. Madina – Accra, Aug. 2004)

### **Oppong, C.**

- Editor, *Research Review* Vol 19. No. 2 (2003) Gender: Culture, Power and Resources IAS Legon. Editor P. Antwi and D. Badasu R 2004 *Research Review* Supplement 15 Gendered Family Dynamics and Health: African Family Studies in a Globalizing World I.A.S.
- 2004 I.A.S. Occasional Research Paper no 6 Gendered Family Strategies and Responsibilities of Grandparents in Sub Saharan Africa I.A.S. Legon.
- 2004 Social Capital and Systems of Care: Some Contrasting Evidence in *Dialogue on Care* ed. Kari Waerness vol. No 16 University of Bergen Centre for Women's and Gender Research.

### **Workshops /Conferences/Seminars**

#### **Manuh, Takyiwaa**

- 2004 “Parents and Children: Intergenerational Issues among Ghanaian Migrants in of Toronto, Canada”, Paper presented at 14th Annual PAAA Conference, I.A.S., Legon, August 2nd - 5th 2004
- (with Dr. Kojo Saffu) , “Strategic Capabilities of Ghanaian Female Business Owners and the Performance of their Venture.” Paper presented at the 49th Annual ICSB World Conference, Johannesburg, South Africa. June.
- 2004. Discussant, *Panel on gender Perspectives in Research, Science and Technology*, national Accra, March 15-19th, 2004
- Theme Coordinator, Family & property matters for Women in Plural Legal Systems-GTZ-Ministry of Justice West African Regional *Conference on Legal and Judicial Reform to Promote Improved Women's Rights in Land, Access to justice and Family Law within Plural Legal Systems*, Accra, Ghana, February 10-12.
- 2004. Chair, I.A.S., NUFU Seminar on ‘Aspects of Care in a Globalizing World’ I.A.S., Legon, January 28th-29th.

#### **Ayesu, E.**

- Annual Conference of the Historical Society of Ghana, 1st-3rd Aug. 2003.
- NUFU Workshop on New Faces of Poverty, 6th-8th January, 2004.
- NICI (National Information Communication Infrastructure) Experience sharing Workshop, 18th-20th February, 2004, ECA, Addis Ababa, Ethiopia.

#### **Awedoba, A.**

- Annual Retreat of UNFPA staff: Executive Director, Regional Directors, country representatives and officers Accra, Ghana. April 8th, 2004.
- Invited as Rapporteur for the Retreat and to share the outsider's perspective on issues discussed on Human Rights and Culture.
- 14th Annual Pan African Anthropological Association (PAAA) Conference,

2nd-6th August, 2004. Conference organizer and president of the PAAA. Paper read: *Corruption and the Need for Conceptual Clarity: Can Anthropology help?*

### **Okai, A.**

- Read Paper, “knowledge as destiny – Literature and Globalization in Africa: each for himself and the God of the market for us all at the University of Ghana, 2nd Faculty of Arts Colloquium on the theme, “ Globalization and the Humanities “, at the J.H. Kwabena Nketia Conference Hall, I.A.S., Legon, 5th May, 2004.
- Read Paper, “The Politics of Poetic Aesthetics and the Ideostructural symbolism in the works of Atukwei Okai”, at the Institute of African Studies, weekly seminar, I.A.S., old seminar room, 12th February, 2004.
- Delivered the Paper, “Skipping Without a Rope – The Intellectual Haemorrhage of the Africa Continent at the International Day of Peace Conference on “Displaced Intellectuals in the Sub-Region, at the W.E.B Dubois Centre, Accra, 20th September, 2003.
- Launching Address: “Restoring the Humane Balance to the Human Universe: The Bowman-Kuenyehia Herbal Prescriptions for the Subsaharan Millennium’ (on the book, “Women and Law in Sub-Saharan Africa”, by Professor C. Grant Bowman, and Prof. Akua Kuenyehia) at the Novotel, Accra, 15th December, 2003. Also: Auctions sale of special copies.
- Launch of E. Evans-Anfom’s Autobiography “To a Thirty Land”, at the Osu Presbyterian Church Hall, Osu, Accra, (Under the Patronage of H.E. The President) 27th January, 2004. Role: Read statement, “Evans Anfom; A Manufacturer of Earthquakes – for equity, Enlightenment and Equilibrium”, and conducted Complimentary Auction.
- Delivered Launching Address, “Contemporary History and the Value Judgments of Fiction”, On the Novel, “Unexpected Joy at Dawn” by Alex Agyei Agyiri, at the British Council, Accra, 24th July, 2004.

### **Sackey, B.**

- Co-organizer. 14th Annual Conference of the Pan African Association of Anthropologists (PAAA). Institute of African Studies, University of Ghana, Legon, 2nd-5th August, 2004
- Second African Association for the Study of Religion Conference in Africa. Theme: The Role of Religion in the Socio-Cultural Transformation of West Africa, Ghana Institute of Public Administration (GIMPA), Accra, Ghana, February 5-8th, 2004, Keynote Speaker: “Gender, Religion and Social Transformation in West Africa,”
- Resource Person, Round table discussion on ‘Barriers and Facilitators to Reporting of Maternal Death’, IMMPACT Team at NMIMR (Noguchi Memorial Institute for Medical Research), University of Ghana Legon, Villa Victoria, West Legon, May 18, 2004.
- Resource Person, BBC documentary on Coming of Age Rituals and Celebrations for ‘This World’-a new series on BBC 2, May, 2004.

### **Akrong, A. A.**

- Pan African Association of Anthropologists Conference, 2nd – 5th 2004 Aug.

“The Discourse of Human Rights in the Context of Ghanaian culture”, paper presented at the Annual conference of the Historical Society of Ghana , Accra.

**Dakubu, Kropp M. E.**

- Legon-Trondheim Linguistics Project Colloquium, Legon, Jan. 123. Paper: The Ga pre-verb auxiliary ke revisited. Congress on Bilingual Cities, Biel-Bienne Switzerland, 19-20 March, 2004. Paper: The multilingual African city: herald of the future, or vestige of colonialism?
- Annual Conference of the Historical Society of Ghana, Legon, July 16. Paper: Language and Urbanization: the case of Accra.
- 14th Annual Conference of the Pan African Anthropological Association, Legon, August 2. Paper: “Endangered Languages”: linguistic desuetude vs. role restriction, with particular reference to Ghana and Accra.
- Colloquium of Early Accra 1300-1800, Legon, Institute of African Studies. October 20-22, 2004. Paper: Earliest Ga-Dangme culture, from a linguistic point of view.

**Nii-Yartey, F.**

- Key Note Speaker, on *Globalization of Culture – the Artistic Factor* at the “Quick Silver” Learning abroad in the Arts Project, organized by the European League of Institutes of the Arts (ELIA), in Tilburg, the Netherlands from October 23-25, 2003.

**Sutherland-Addy, Esi**

- Training Workshop for Staff of Adehyeman (NFED). Role: Resource Person. Date: 13th-19th July, 2004. Venue: Royal Ravico Hotel, Accra.
- 2nd Technical Committee Meeting of the Working Group, Distance Education and Open Learning. Role: Participant. Date 25-26 March, 2004. Venue: Mauritius.
- Interactive Dialogue on the 50th Anniversary of the US Supreme Court Ruling *Brown v Board of Education* (Mandating School Desegregation) with Brian Jones. Role; Panel member. Date: 19th February, 2004. Venue: PAS, Us Embassy, Ridge Roundabout, Accra.
- Expert Group Meeting on NEPAD Human Resources Development. Role: Respondent: Implications for NEPAD GOALS. Basic Education Division. Venue: Paris-France. Date: 10th-112th December, 2003.
- The Second Robert Gardiner Memorial Lectures, School of Social Work under the auspices of UNEPA Ghana. Role: Lecturer. Theme: The Youth and NEPAD; Gender Undertones and Social Implication for Ghana. National Theatre, Accra. 29th September, 2003.
- CODESRIA African Humanities Institute Programme, University of Ghana, International Symposium. Role: Co-Convenor, Chair: Slavery Artifacts and Colonial Heritage in Africa panel; Presentation: Women Speaking in Their Own Time: The Women Writing Africa Project. University of Ghana. 17th-19th September, 2003.

**Kwafo, A. G.**

- 14th Annual Pan African Anthropological Association Conference held at the Institute of African Studies, University of Ghana, Legon, from 2nd-6th August, 2004.(rapporteur)
- Aspects of Care in a Globalizing World. Seminar organized by the Institute of African Studies of Ghana and the Centre for Women and Gender Studies, University of Bergen from 28th – 29th January, 2004.

**Adjah, A. O.**

Database management system course in India between 11th January and 19th March, 2004.

**Badasu, D. M.**

- The Ghana Geographical Association (GGA) National Congress of “Sustainable Development, Environment and Poverty Reduction:”, January 15-17, 2004 held at Jones Quartey Memorial Building, University of Ghana, Legon.
- Seminar on “Children at Risk in Ghana: Family Care Under Review”, June 16-17, 2004. Organized by and held at the Institute of African Studies, University of Ghana Legon.
- Symposium of on “Reproductive Change in Ghana: Recent Patterns, Future Prospects”. Organized by the Department of Geography and Resource Development, University of Ghana, and held at the School of Research and Graduate Studies, University of Ghana Legon, July, 2004

**Oppong, C.**

- October 2003 Bergen Dialogue on Care - Centre for Women’s and Gender Research. Presented a paper on Social Capital and Systems of Care
- Aspects of Care In A Globalizing World Seminar Organized By The Institute of African Studies University of Ghana And The Centre For Women’s And Gender Studies University Of Bergen, Norway at the Institute of African Studies, University of Ghana, Legon.
- June 16 and 17th, 2004. Principal Organizer of two one day Roundtable Workshops in IAS Legon on Child Care in Crisis held in the context of the Globalization and Care project. The first was for social welfare and care professionals-Children at Risk in Ghana: Family Care under Review A Policy Round Table June 17, 2004 at Institute of African Studies Chalets
- CARE CRISES –Dramatic Cases and Their Representation: Stories, Poetry, Drama Song & Dance. A Multi Media Round Table June 18, Friday, at Institute of African Studies Chalets held for media experts to promote a dramatic response in terms of development of a theatre production.
- June 23-24, 2004 attended a Symposium on Reproductive Change in Ghana: Recent Patterns, Future Prospects organized by the Geography Department Legon – Paper presented *Historical Perspectives on the Family and Fertility Change in Ghana*
- Chair of Session, Children at Risk 14th Pan African Association of Anthropologists (PAAA) (Conference Legon August 2-5, 2004. Local Culture and Local meaning: Localizing Strategies in a Changing World: The challenges of method, Theory and practice in African Studies.

### **Agordoh, A. A.**

- Conference on "Theorizing African music" held in Princeton, U.S.A., (9th Oct. – 12th Oct. 2003).
- African Studies Association (A.S.A.) Conference held on Boston, U.S.,A. (30th Oct. – 3rd Nov. 2003) Participated in discussions and lectures.

### **Alhassan, O.**

- Challenges of Migrant Youth in Ghana: New Perspectives of Challenges. Organized by Women's Development Agency (A British/Ghanaian NGO) at Trasacco Valley. May 17, 2004
- Stakeholders Workshop on Utilization of Customary Land Revenues. Organized by the Office of the Administrator of Stool Lands. Presented a Paper of " Accessing Customary Land for Development: Considerations for improvement. Marina Hotel, Dodowa. July 14-16, 2004.
- Pan African association of Anthropologists Conference (14th) I.A.S. Legon. August 2-6 2004. Presented a Paper on "Restless youth in Ghana: New Perspectives on Changing Perceptions and Aspirations of young migrants in Northern Ghana"
- Dissemination Workshop on Child Sexual Exploitation in Accra Study. Did a Presentation on "Child Sexual Exploitation in Accra: The Facts, Emerging Issues and the Way Forward.
- NUFU Workshop on new Faces of Poverty- Presented a Paper on Women and poverty in Ghana on Behalf of Dr. Mariama Awumbila, Dept of Geography on (January 6.8, 2004
- National Workshop on Securing Land Right – Right- Presented Research Report on Land Right Registration in Ghana , I.A.S. , August 8, 2004
- I.A.S./Swarthmore ESIG Programme Visit to Swarthmore, U.S.A. Presented Reports on Prospects of Collaboration. Also Delivered a Brief on Prospects of Research Collaboration between South Dakota State University (SDSU) and University of Ghana. October 13-28th, 2003.
- Mid-Term Project Review Meeting in Maputo, Mozambique: Presented Ghana Country Research Report. November 3-7th, 2003.

### **Extension Activities**

#### **Manuh, Takyiwaa**

- Member, Steering Committee of SEPHIS 9 South-South Exchange Programme for Research on the history of Development).
- Board Member, Ghana Institute of Journalism.
- Steering Committee member, the Working Group on Higher Education of the Association for the Development of Education in Africa;
- Board Member, the Africa Gender Institute, based at the University of Cape Town, South Africa.
- Executive Committee Member, Association of African Women for Research and Development (AAWORD), based in Dakar, Senegal;
- Board Chair, ABANTU West Africa, a gender and African-based NGO based in Accra.
- Board Member, Media Foundation for West Africa, based in Accra, Ghana.

- Convenor and Steering Committee Member, Network for Women's Rights in Ghana (NETRIGHT).
- Co-Editor (with Lynn Brydon, University of Birmingham) *Ghana Studies Journal*
- Member of Editorial Advisory Board, *African Journal of Higher Education*
- Member of the Editorial Advisory Board of the *journal Feminist Africa*, produced by the African Gender Institute, University of Cape Town, South Africa
- Member of International Editorial Board, *Africa Development Afrique et Development*
- Member, University Council (until February, 2004)
- Member, Board of Graduate Studies
- Member, Board of the Faculty of Social Studies
- Member, Academic Board
- Member, Research and Conferences Committee
- I.A.S. Advisory Board; Management Committee; Standing Committee; Finance Committee; Library Committee; Manhyia Archives Committee; Strategic Plan Implementation Committee
- Member, Sub-Committee of Council to review revised Statutes of the University.

### **Okai, Atukwei**

- Performed the Poems, "Kwabenya" and "Freedom Symphony", at the 80th Anniversary Celebrations of the Korle Bu Teaching Hospital (Under the Patronage of H.E. the President) at the Korle Bu Teaching Hospital, Korle Bu, Accra, 9th October, 2003.
- "A Kwadzumfour Chant For An Ancestral Envoy" ( a dirge in three gates, for Baafour Osei Akoto), in the Order of State Burial Service, St Peter's Catholic Cathedral, Kumasi, 14th November, 2002, pp 67-68.
- "The Soul Circumcision Symphony" (a dirge) in the Order of Service, Brochure, at the Attuquayefio Residence, Abossey Okai, Accra, 8th February, 2003 pp 15-16.
- Performed Poem "The song of Akrong (Thus Saith the Lord!) "At the installation of Rev. Dr. A.A. Akrong as Master of Legon Hall, Anglican Chapel, Legon Hall, Legon on 6th December, 2003.
- Performed in Ga and English, Poems "A Healer of Hearts" and "On the Soulscape of the Bullet Train" at the Special Congregation for the conferment of Honorary Doctorates, at the Great Hall, Legon (Under the Patronage of H.E. the President)
- Performed the Poem, "the Bond-Oath of Ubuntu", at the Opening Ceremony of the University of Ghana 2nd Faculty of Arts Colloquium, on the Theme Globalization and the Humanities at the J.H. Kwabena Nketia Conference Hall, I.A.S., Legon, 5th May, 2004.
- Meeting of the Committee of the Cultural Division of the Commission of the African Union, for the development of a strategic plan for the African Union AU Commission, Addis Ababa, Ethiopia, 8- 9th March, 2004. Role: Member, and responder on behalf of the committee to the AU Commission Chairperson's Inaugural speech.

### **Ayesu, Ebenezer**

- Business Manager, Transactions of the Historical Society of Ghana
- Member, Publications Committee, I.A.S.
- Member Projects Committee, I.A.S.
- Member, management Committee, I.A.S.
- Member, Green Earth Organization
- Member, Standing Committee, I.A.S.

### **Awards**

#### **Manuh, Takyiwaa**

- (U.S.A. National Women's Business Council Best Paper 2003/2004 in Women's Entrepreneurship) ( see [www.iscb.org](http://www.iscb.org))

#### **Agordoh, A. A.**

Awarded the Laura Boulton Senior Fellowship Award for 2003/2004 by Archive of Traditional Music, Indiana University, Bloomington.

## **LIBRARY**

### **Overview**

The Institute of African Studies Library specializes in collecting research materials required for studies related to African History and Politics, Societies and Cultures, African Languages, Literature and Drama, African Religion and Philosophy, Media and Visual Arts, Music and Dance. To support teaching activities in the Institute, the library teaches students how to access these resources and how to organize materials consulted in their (student) publications.

### **Courses offered**

Six students from the Department of Library and Information Studies were assigned to the library for practical training in the library. During the period, they were taken through all library routines and taught to search for information on the internet.

During the first semester, post-graduate students were taken through sessions, library research, accessing resources in libraries, preparing the research proposal, literature review, internet search and citing references.

### **Summary of Users**

Statistics taken during the year under review revealed that 1,500 readers use

the library in a week. The number is even more during the examination period. The library has been put on the free mailing lists of the following journals:

1. Forced migration
2. Institute for Development Studies Bulletin
3. Insight

The library receives publications from the following

1. CODESRIA
2. Centre for Development Research
3. Scandinavian Institute of African Studies, Uppsala
4. Institute for Development Studies, Sussex
5. African Studies Centre, Leiden
6. Zed books
7. Social History of African Series (through Jean Allman)

The library serves as a depository library housing all research materials published in the Institute and also as a depository library for The Centre for Advanced Studies of African Society, South Africa and Africa Books Collection Limited, Oxford.

## **Project**

### **Widernet**

Together with the University of Iowa there are plans to engage in a project where rare documents that are at risk will be scanned and documented. Initial discussions have been held with Dr. Edward Miner and a scanner has been donated towards the project.

### **Arabic Manuscript Library**

A room has been allocated to set up an Arabic library to house the Arabic manuscripts collection the History section of the Institute started building in 1961 with Professors Ivor Wilks and Hunwick. It now has in its collection 500 works collected from Ghana, Togo, Cote d'Ivoire and Burkina Faso. A rich collection relevant for the study of history and Islamic studies, which would help supplement what is known of the literary sources of Islamic scholarship in West Africa. The manuscripts deal basically with the following:

- a. The conversion to Islam of the Gonja rulers in c. 1550;
- b. A list of kings and wars in the 16<sup>th</sup> and 17<sup>th</sup> century;
- c. A detailed chronicle of deaths, wars, famines etc down to 1765 (much of which is of value for study of Ashanti and adjacent societies).
- d. works by or about the celebrated author al-Haji Umar b. Abi Bakr of Kete Krakye who died in 1934
- e. works concerning al-Haji Mahmud Karantaw who founded the 19<sup>th</sup> century jihad state of Boromo/Wahabu in modern Upper Volta.

There are plans to appoint an Arabic expert in collaboration with the Arabic Section of the Modern Languages to collect information to fill gaps identified in the

collection and to continue from where these collections have left off.  
Link Programmes

During the year under review, the Institute continued its link programmes with the School of International Training, Trent University, University of Trondheim, Norway, State University of New York at Brockport, Calvin College etc. It continued to collaborate with the Ghana Institute of Linguistics, Literary and Bible Translation.

### **Ghana Dance Ensemble**

The Ghana Dance Ensemble continued to enrich the cultural life of the University campus through performances at University and Institute programmes such as congregation, inaugural lectures, Welcoming parties, sod-cutting ceremonies, funerals, exhibitions as well as state functions. It also undertook National engagements like performing at state dinners, sod-cutting ceremonies etc.

### **Benefactions**

The Kwame Nkrumah Foundation and the West Africa Communications Limited jointly donated an amount of Twenty Five Million Cedis (C 25,000,000.00) towards the establishment of the Kwame Nkrumah Chair at the Institute.

## **INSTITUTE OF STATISTICAL, SOCIAL AND ECONOMIC RESEARCH**

### **Overview**

The 2003/2004 academic year was a remarkable one for ISSER. The Institute's improved performance was reflected in the significant expansion in the number of publications, workshops, international conferences, seminars, etc. held. The improvement is also reflected in the number of research projects and other grants that the institution could attract, as well as the staff development initiatives that took place. Another major achievement of ISSER in the year was the completion of a strategic plan for the period 2004-2010 and a self-assessment exercise that helped to identify the strengths and weaknesses of the institution. But, by far the most observable achievement was the organization of a large international conference under the theme "Ghana at the Half-Century" which drew over 400 participants, including a large number of highly respected international development economists who presented papers. This was followed by the successful launch of the Economy of Ghana network. The graduate and other training programmes also saw major successes.

It is important to observe that ISSER has a mandate to carry out research that is geared towards socio-economic development in Ghana and Africa. Thus ISSER research is expected to have immediate bearing on the development problems and needs of Ghana and the rest of Africa and be in response to the direct demands of government and other stakeholders for information and strategies for improving the well-being of people. At the same time, ISSER research seeks to maintain a focus on the academic purpose of the institution and a commitment to add to the existing knowledge about society and development in Ghana and Africa.

### **Research Programme and Output**

ISSER continued with a number of projects that had been on-going from the previous academic year and attracted quite a few more. The main institutional research projects at ISSER in 2003/04 were as follows:

#### **A Survey of Adolescent Sexual Behaviour**

This project was undertaken in collaboration with Macro International and the Alan Guttmacher Institute. This was part of a four-country household survey on adolescent reproductive health in Sub-Saharan Africa. The focus of the surveys was on HIV/AIDS. The studies were carried out in Burkina Faso, Ghana, Malawi and Uganda. The sample size in each country consisted of approximately 1500 males and 1500 females aged 15-19, and all boys and girls aged 12-14 in the selected households. The samples were all nationally representative. A nationwide survey was undertaken between January and May, 2004. The survey has been completed and material from it is being used by researchers for different publications.

The project was directed by the Director of the Institute with field coordination by Prof. John Anarfi, Prof. Clement Ahiadeke, Prof. N.N.N. Nsawah-Nuamah and Dr. Ellen Bortei-Doku Aryeetey.

#### **Accessible Data For Development Dialogue**

The lack of reliable, accessible, consistent and complete information on financial flows to the regions and districts of Ghana is a major hindrance to local government development dialogue with central government and development partners. The absence of comprehensive and relevant data is more acute in the three Northern regions due to their current circumstances. The three Northern Regions are considered to be the poorest regions in the country. However, as a result of the absence of data and the capacity to organize the data that is generated in the system it is difficult to initiate an informed debate targeted at improving resource allocation at both political and technical levels.

In view of this situation, DFID commissioned ISSER and the Centre for Policy Analysis (CEPA) in May, 2004 to determine what data was available to facilitate a development dialogue and document it in a manner that was easily accessible to all stakeholders.

Prof. Ernest Aryeetey and Dr Anthony Tsekpo were the main researchers from ISSER. Mr. Michael Nimo, Mr. Christian Ahoror and Ms Patricia Aidam were Principal Research Assistants on the project.

### **African Peer Review Mechanism (APRM)**

ISSER was requested by the Governing Council of the African Peer Review Mechanism APRM-Ghana to undertake studies into socio-economic development in Ghana with a view to establishing Ghana's performance in relation to national goals and aspirations. The outcome of the exercise was required to be empirically verifiable by an international team using acceptable methodologies.

ISSER carried out the task which involved field surveys of 20 districts in all 10 regions of Ghana and several focus group discussions throughout Ghana.

Prof. Ernest Aryeetey, Dr. Peter Quartey, Dr. Isaac Osei-Akoto and Dr. Ellen Bortei-Doku Aryeetey have been the senior researchers involved in carrying out the assignment. All PRAs took part in the field investigations.

### **Regulation and Competition in Ghana**

This project has been undertaken at ISSER in collaboration with the Centre of Regulation and Competition at the University of Manchester. It is sponsored by DFID. In the second and third years of this multi-year project, the research work has focused on the changing regulatory environment for small-and medium size enterprises in Ghana and how the enterprises were responding to this new environment. The project organized on March 25-26, 2004, an International Workshop on the themes "Regulation and Competition in Ghana" and "Training for Regulatory Impact Assessment". The project is expected to end in February, 2005.

Prof. Ernest Aryeetey is the Principal Researcher and works with Ms. Ama Asantewah Ahene.

### **Street-Involved Children and HIV/AIDS**

The project which was funded by Ford Foundation has two aspects to it. The first is to conduct research into understanding child sex in Accra. The report on this aspect has been completed. The current set of practical activities involve in-school and out of school programmes at a 'street-wise office'. The project has an office at New Achimota where people are being trained in hairdressing, dressmaking and catering. It is expected to be completed in December, 2004.

Prof. John K. Anarfi has been the Principal Researcher.

### **Gender, Livelihoods and Land Tenure in Ghana**

The study examines the impact of the introduction of new livelihoods on production systems, land tenure and on gender relations in Ghana. It is IDRC sponsored project and is expected to be completed in July, 2005.

The project is being co-ordinated by Dr. Dzodzi Tsikata, together with Dr. Mariama Awumbila from the Department of Geography and Resource Development. The first part of the field work has been completed.

### **Accra Women's Health Project**

The study involved the collection of information on both reproductive and general health from household surveys following World Health Survey recommendations. The Data Analysis ended in December, 2003. A workshop was held on September 23, 2004 to disseminate the results.

This project was carried out in collaboration with Harvard University School of Public Health led by Prof. Allan Hill and the University of Ghana Medical School. Activities at ISSER were coordinated by Prof. John Anarfi. The project was sponsored by USAID.

### **Migration, Globalization and Poverty**

The project is a multi-dimensional study into various characteristics of recent migratory trends following globalization. It is carried out together with the Development Research Centre at the University of Sussex. While the entire programme has nine (9) different components, ISSER researchers are working on only four (4) of them, namely:

- (a) Migration of children from north to south
- (b) Emigration of skilled personnel
- (c) Forced migration – Liberian refugees
- (d) Horticultural Industry and Social Protection – Pineapple sector.

Prof. John K. Anarfi is the Principal Researcher for this project.

### **Strategies and Analysis for Growth and Access (SAGA) Project**

This is a multi-dimensional research programme funded by USAID through Cornell University. The four main research themes covered under this collaboration have been

- Qualitative and Quantitative Approaches to Poverty Assessment;
- Poverty Dynamics in Ghana
- Land Tenure Reforms
- Decentralization and Poverty

Activities under this collaboration have been the completion of 12 commissioned papers under the theme "Understanding Poverty in Ghana". These are to be published by ISSER soon. Other activities included the development of a research project on land tenure described below, as well as the organization of an international conference (also described below).

The SAGA programme is coordinated by Prof. Ernest Aryeetey.

### **Land Tenure and Policy Reform Project**

This is a three-year programme of multi-disciplinary research into Ghana's land

tenure and administration systems. The purpose of the research is to provide greater clarity and fill gaps in our knowledge about the nature and problems of land tenure and administration in Ghana. This research is timed to produce resources for deliberations about the directions, processes, components and likely impacts of reforms under the Land Administration Project (LAP). Also, it will contribute to discussions about the place of land tenure in poverty reduction through the GPRS.

The project is sponsored by USAID and is managed by Professor Ernest Aryeetey, Dr. Dzodzi Tsikata and Dr. George Botchie. The project will also involve researchers from many departments at the University of Ghana.

### **Do Migrant Remittances Minimize the Impact of Macro Volatility?**

This study looks at how households respond to various shocks at the macro level. It employs an econometric approach on household survey data in Ghana.

The study is sponsored by the Global Development Network and the Principal Researcher is Dr. Peter Quartey.

### **Integrating Knowledge From Computational Modeling With Multi-Stakeholder Governance: Towards More Secure Livelihoods Through Improved Tools For Integrated River Basin Management**

The objective of the project is to research into the use of integrated simulation models as decision-tools in multi-stakeholder negotiation processes at the sub-basin level. The project sites are the Volta-Basin (Ghana) and the 'virtual' Andes basin (Melado basin, Chile). The project will focus on (1) the analysis and strengthening of multi-stakeholder governance structures in the two project sites (Sub-Basin Management Board in Ghana, Water User Associations in Chile), (2) the identification of problems, policy options to address the problems, and criteria for evaluation policy options by the stakeholders, (3) the extension of simulation models to incorporate the impact of climate change on land and water use decisions of risk-averse producers, (4) the evaluation of alternative policy options, as identified by stakeholders, (5) the development of decision-support tools that present and visualize the outputs of the simulation models in a form that is useful for the stakeholders, and (6) the actual use of the decision-support tools in negotiation and planning processes in the multi-stakeholder governance structures.

Collaborating Institutions are :

- International Food Policy Research Institute (IFPRI), U.S.A (Lead)
- Center for Development Research (ZEF), University of Bonn, Germany
- Water Research Institute (WRI), CSIR, Ghana
- Universidad de Talca, Chile
- Institute of Rural Development (IRE), University of Göttingen, Germany
- Center for Environmental Research Leipzig-Halle (UFZ) Germany.

The project is coordinated at ISSER by Dr. Felix Asante.

### **Empowering Farming Communities In Northern Ghana With Strategic Innovations And Productive Resources In Dryland Farming.**

The project seeks to encourage the efficient capture and use of rainfall in non-irrigated farming in order to manage agricultural drought within the Volta basins of Northern Ghana. This will enable the attainment of household food security and sustainable income while conserving and regenerating the natural resource base by empowering rural farming communities to exploit the productive potential of the rain-fed drylands in Northern Ghana. Specific objectives of the project are: (1) Increased farm level yields of staple crops (sorghum, millet, cowpea and cassava) in the rain-fed, small-scale farming systems in Northern Ghana while maintaining or improving upon the fertility of the farmlands and (2) Provide opportunities for women in rural communities to engage in off-farm income generation during the dry season.

#### **Collaborating Institutions**

- Savanna Agricultural Research Institute, CSIR, Ghana (Lead)
- Water Research Institute (WRI), CSIR, Ghana.
- International Crop Research Institute for the Semi-Arid Tropics, India
- International Water Management Institute, Ghana Office, Accra.

The Project Coordinator is Dr. Felix Asante

#### **Water and Livelihoods**

The aim of the project is the analysis of causalities and feedbacks between (1) household access to and demand for water of different quality, (2) intra-household water use behaviour, (3) risk of adverse health impacts and (4) household livelihoods.

ISSER is collaborating with GLOWA-Volta Project, University of Bonn, Germany on this project. Principal Investigators are Dr. Felix A. Asante and Dr. Isaac Osei-Akoto.

#### **Socio-Economic Impact of Petroleum Deregulation Policy**

The Government of Ghana has initiated a programme to accelerate the deregulation of the petroleum downstream sector. Owing to the fact that the supply and consumption of petroleum products affect all aspects of the national economy, and coupled with the intention of minimizing the negative impact, if any, of the implementation of the deregulation policy it became necessary for a comprehensive study of the socio-economic impact of the deregulation policy, hence ISSER's involvement..

The project involved Dr. Felix A. Asante (Lead), Dr. Isaac Osei-Akoto, Dr. Peter Quartey, Dr. Ellen Bortei-Doku Aryeetey, Mr. Bernardin Senadza and Dr. B. K. Twerefou from the Department of Economics.

## **Other ISSER Projects**

### **Ghana Human Development Report 2003 (HDR 2003)**

ISSER produces in collaboration with the UNDP, the national Human Development Report. The latest report is under the theme "Coping with HIV/AIDS in Ghana" The comprehensive documents changes in human development in Ghana over the last two years and focuses on human development opportunities for people living with HIV/AIDS.

The Co-ordinator for this project is Dr. Ellen Bortei-Doku Aryeetey and it is a UNDP/UNFPA funded project.

### **The State of the Ghanaian Economy Report (SGER) 2003**

SGER 2003 was launched on 12th August, 2004. For this edition, there was an "optional" chapter devoted to the "Informal Sector and Employment" which was written by Mr. William Baah-Boateng of the Economics Department, Legon.

This year's report was sponsored by the World Bank Country Office and the preparation was coordinated by Prof. Ernest Aryeetey.

## **International Conference and Workshops**

### **Ghana at the Half Century Conference**

As part of the collaboration with Cornell University under the SAGA programme, ISSER organized an international conference under the theme "Ghana at the Half Century" on 18-20 July, 2004. In all, fifty-eight (58) papers were presented, of which twenty-four (24) have been selected to come out in two volumes with twelve (12) chapters in each.

The conference was designed to discuss Ghana's experiences in the first fifty years of independence while preparing for a more prosperous one in the second half of the century. The keynote address was delivered by Dr. Kwaku Afriyie, Minister of Health, on behalf of His Excellency, John Agyekum Kufour, President of Ghana.

Altogether 300 people registered and participated in the conference. All the papers are to be found on the ISSER website, [www.isser.org](http://www.isser.org).

There were three other workshops organized in the session including that on "Understanding Poverty in Ghana" in January, 2004, "Regulation and Competition in Ghana" and "Regulatory Impact Assessment" in March, 2004.

## **Publications by ISSER Researchers**

The academic year saw an increase in the number of publications issued by ISSER. There were three technical publications and one discussion paper. In addition ISSER issued one edited volume and two other monographs based on the annual ISSER-Merchant Bank Lectures. Individual publications are as follows:

## **Ernest Aryeetey**

### **Edited Volumes**

- Aryeetey, E. and R. Kanbur (ed) 2004, *Macroeconomic Stability, Growth and Poverty Reduction in Ghana*, Woeli Publishing Services, Accra

### **Book Chapters**

- Aryeetey, E. 2004. "A Development-Focused Allocation of the Special Drawing Rights", in *New Sources of Development Finance*, edited by A.B. Atkinson, UNU-WIDER Studies in Development Economics, Oxford University Press, Oxford.
- Aryeetey, E. 2004 "The Institutional and Policy Framework for Regulation and Competition in Ghana" in *Leading Issues in Competition, Regulation and Development* edited by Paul Cook, Colin Kirkpatrick, Martin Minogue and David Parker, Edward Elgar Publishing Limited, Cheltenham

### **ISSER Technical Publications**

- Aryeetey, E. and L. Senbet 2004. *Essential Financial Market Reforms in Africa*, Technical Publication No. 63, ISSER, Legon

### **Conference Papers**

- Aryeetey, E., "An Analysis of the Experiences of Financial and Monetary Cooperation In Africa" Paper Presented at the United Nations Meeting on Regional Financial Arrangements, New York , July 14-15, 2004
- Aryeetey, E., "Finance for Development in Africa: Paper presented to the UNCTAD TDB on Economic Development in Africa, Geneva, October 11, 2004.
- Aryeetey, E. and A. A. Ahene, "Changing Regulatory Environment for Small-Medium Size Enterprises and Their Performance In Ghana", Paper Presented at the Annual Conference of the Centre on Regulation and Competition, University of Stellenbosch, Cape Town.

## **John K. Anarfi**

### **Journal Articles**

- Anarfi, J. K. 2003. "To Change or not to Change: Obstacles and Resistance to Sexual Behavioural Change Among the Youth in Ghana in the Era of AIDS". *Research Review*, Vol. 19.1 2003 27-45.

### **Conference/Seminar Papers**

- Anarfi, J. K. 2004. "Population Movements and the AIDS Epidemic". Paper presented at the Seminar on HIV, the Resurgent Infections and Population Change in Africa, 12-14 February, 2004, Ouagadougou, Burkina Faso.
- Anarfi, J. K., 2004. "Migration and its Relation with Pro-Poor Policy: The West African Context". Paper presented at the Conference on Regional Dimensions of Socio-Political Change in West Africa in Abuja, Nigeria, 27-29 April, 2004.
- Anarfi, J. K., 2004. "Mitigating the Impact of HIV/AIDS in Ghana: The Role of Education". Paper presented at the International Conference on Ghana at the Half Century, 18-20 July, 2004, M. Plaza Hotel, Ghana.

- Anarfi, J. K., 2004. "Under-reaction to Sexual-Behavioural Change Among the Youth in Ghana in the Era of HIV/AIDS". Paper presented at the symposium on Reproductive Change in Ghana: Recent Patterns, Future Prospects, 23-24 June, 2004, University of Ghana, Legon.

### **Nsowah-Nuamah, N. N. N.**

#### **Journal Articles**

- Nsowah-Nuamah, N. N. N. *et.al.* 2004 "Predicting the Timing of Second Praziquantel Treatment and its Effect on Reduction of Egg counts in Southern Ghana", *Acta Tropica*, 90,263-270
- G. Overbosch, N. N. N. Nsowah-Nuamah, G. J. M. van den Boom, L. Damnyag 2004. Determinants of Antenatal Care Use in Ghana, *Journal of African Economies*, 13:277-301

#### **Conference Papers**

- Bart van den Boom, N.N.N. Nsowah-Nuamah and G.B. Overbosch 2004 Health Care Provision and Self-Medication in Ghana. Conference on "Ghana at the Half Century, July 18-20, 2004.
- Valentina Mazzucato, Bart van den Boom and N.N.N. Nsowah-Nuamah, 2004. The Impact of International Remittances on Local Standards: Evidence for Households in Ghana. Conference on Migration and Development in Ghana. September 14-17, 2004.

### **Clement Ahiadeke**

#### **Mimeographs**

- Ahiadeke, C., W., Ivy Osei B. Garshong J. Gyapong, P. Tapsoba, I. Askew, R. Killian, E. Bonku, P. Combary and W. Sampzon, 2004. (Health Research Unit, Ghana Health Services, Frontiers Program/Population Council, PRIME II/Intra Health International. North Carolina Research Triangle

#### **Conference Papers**

- Ahiadeke C., 2004 "Induced Abortion in the Context of Reproductive Change in Ghana". Paper presented at Conference on Reproductive Change in Ghana: Recent patterns and Future Prospects, June 23-24, Accra, Ghana.
- Ahiadeke C., Anarfi, J.K., Kwankye, S., 2004. "Migration, Return And Impact In Ghana : A Comparative Study Of Skilled And Unskilled Transnational Migrants" Presented at Conference on Migration and Development in Ghana.

### **Wayo, Seini, A.**

#### **Journal Articles**

- Seini, A.W., 2004. "Efficiency of Agricultural Commodity Systems under Policy Reforms in Ghana", *Quarterly Journal of International Agriculture*, Vol.43, No.2. pp.133-152

#### **Other Publications**

- Tsikata, D. and Seini, W. 2004. "Identities, Inequalities and Conflicts in

Ghana". Working Paper, Centre for Research on Inequality, Human Insecurity, and Ethnicity (CRISE), Queen Elizabeth House, Oxford University.

### **Ellen Bortei-Doku Aryeetey, E.**

#### **ISSER Technical Publications**

- Bortei-Doku Aryeetey, E. 2004. *Coming to Terms with Sexual Harassment*, ISSER Technical Publication No.64, ISSER, Legon

#### **Conference Papers**

- Bortei-Doku Aryeetey, E. and R. Kanbur. 2004 "Qualitative and Quantitative Approaches to Poverty Analysis" , Paper Presented at the conference on 'Ghana at the Half Century', M-Plaza Hotel, July 18-20, Accra.
- Bortei-Doku Aryeetey, E. "Engendering a Human Rights-Based Approach to Development in Ghana", Paper Presented at the conference on 'Ghana at the Half Century', M-Plaza Hotel, July 18-20, Accra.

### **Dzodzi Tsikata**

#### **Other Publications**

- Tsikata D. and Seini W. "Identities, Inequalities and Conflicts in Ghana. Working Paper, Centre for Research on Inequality, Human Insecurity, and Ethnicity (CRISE), Queen Elizabeth House, Oxford University.
- Tsikata D. 2004. "The Rights Based Approach to Development: Potential for Change or More of the Same?" IDS Bulletin, October, 2004.
- Tsikata, D. 2003 "Living in the Shadow of Ghana's Akosombo and Kpong Dam: A Study of Long Term Responses of Downstream and Lakeside Communities", Ph.D Thesis, Leiden University.

### **George Botchie**

#### **ISSER Technical Publication**

- Botchie, G., 2004. "Evaluation of the Impact of Technology Transfer on the Eradication of Guinea Worm Disease (Dracunculosis in the Northern Ghana". ISSER Technical Publication No.62, ISSER, Legon
- Botchie G, and A. W. Seini 2004, "Analysis of the Environmental Services Provided by Selected Farming Systems in Ghana", ISSER Technical Publication No.65, ISSER, Legon.

#### **Other Publications**

- N.O. Addo, Botchie G. et al 2000. "Population, Poverty and Environment in Ghana" Contribution to Population Report on Ghana 2004. National Population Council.

#### **Conference Papers**

- Botchie G. and W. Ahadzie: "Poverty Reduction Efforts in Ghana: The Skills Development Option" Paper Presented at the conference on 'Ghana at the Half Century', M-Plaza Hotel, July 18-20, Accra.

## **Appiah-Kubi, K.**

### **Journal Articles**

- Appiah-Kubi, K. 2004 "Access and Utilization of safe Motherhood Services of Expecting Mothers in Ghana." *Policy & Politics* Vol. 32 No.3: 385-406.
- Appiah-Kubi, K. 2003. "An Analysis of Tax Reform in Ghana (1993-2002)" *Ghana Social Science Journal (New Series)*, Vol.2, No.1: 66-103.

### **Conference Papers**

- Appiah-Kubi, K., A. D. Oduro and B. Senadza 2004. "Understanding Poverty in Ghana: Risk and Vulnerability", Paper presented at the International Conference on Ghana at the Half Century, M- Plaza Hotel , 18-20 July, 2004, Accra.

### **Other Publications**

- Appiah-Kubi, K. 2003 "Education Inequality in Ghana "Micro Impact of Macroeconomic and Adjustment Policies (MIMAP) – Ghana Research Report No. 001, July, 2003, Centre for Policy Analysis CRDI/IDRC/CIDA.
- Appiah-Kubi, Kojo 2003. *The Fiscal Impact of Structural Adjustment in Ghana* Ghana Universities Press (Universities Publishing Foundation), Accra .

## **Tsekpo, A.**

### **Book Chapters**

- Tsekpo, A. 2004. "Why the Limited Impact of Social Sector Spending on Poverty Reduction in Ghana" in E. Aryeetey and R. Kanbur, *Macroeconomic Stability, Growth and Poverty Reduction in Ghana*, ISSER and Woeli Publishers, Accra.
- Tsekpo, A. 2003 "Projects, Public Investment Programmes and Medium-term Expenditure Frameworks: Evidence from Ghana" in David Potts, Patrick Tyan and Anna Toner (eds), *Development Planning and Poverty Reduction* London: Macmillan-Palgrave

### **Conference Papers**

- Tsekpo, A., 2004 "Developing a Labour Market Information System" Paper presented at Ghana Presidential Employment Summit, Third Consultative Workshop, Erata Hotel, Legon, July 28-29, 2004.

### **Other Publications**

- Tsekpo, A. *Wages, Incomes and Employment for Poverty Alleviation in Ghana*, ILO/TUC Ghana Study.

## **Asante, F.**

### **Conference Paper**

- Asante, F.A. and Anarfi, J.K., 2003. "The Social Viability Role of Agriculture in Ghana". Paper prepared for 'the Roles of Agriculture International Conference'. Food and Agriculture Organization of the United Nations. 20-22 October, 2003. Rome, Italy.

## Other Publications

- Asante, F.A. and Asenso-Okyere, K. 2003 "Economic Burden of Malaria in Ghana". A Technical Report submitted to the World Health Organization (WHO), African Regional Office (AFRO), Zimbabwe, November, 2003.

## Quartey, P.

### Conference Paper

- Quartey, P. 2003. "Innovative Ways of Making Aid Effective in Ghana: Tied Aid versus Direct Budgetary Support", Paper presented at the WIDER/UNU conference on 'Innovative Ways of Financing Developing Countries', September 5-7, 2003, Helsinki, Finland (also under journal consideration).

### Other Papers

- Quartey, P. 2004. "Do Migrant Remittances Minimize the Impact of Macro-Volatility on the Poor in Ghana? A Report prepared for the Global Development Network, August.
- Quartey, P. and R. Osei, 2003: "Does Tying Aid Make it More Costly? A Ghanaian Case", Paper prepared for WIDER/UNU, Helsinki, Finland.
- Quartey, P. 2003 "Government Regulations and Banking Sector Efficiency in Ghana", Institute of Economic Affairs Working Paper Series, July.
- Quartey, P. 2003: Accountability within the National House of chiefs: evidence from the Auditor General's Reports 1994-97, Institute of Economic Affairs Working Paper Series, March.

## ISSER Seminars

The following seminars were organized in 2003/2004

DATE	TOPIC	PRESENTER
16/9/03	Can Foreign Aid Buy Growth?	Prof. William Easterly, N.Y.U and Senior Fellow, Center for Global Development
23/9/03	Getting Agriculture Moving in Ghana	Dr. Victor Nyanteng Senior Research Fellow
130/9/03	Food Security Attributes in India	Dr. Nigel Poole
7/10/03	Multi-dimensional Poverty Analysis	Dr. K. Appiah-Kubi Research Fellow,
14/10/03	The Economic Burden of Malaria in Ghana	Dr. Felix Asante Research Fellow
4/11/03	Analysis of Environmental Externalities in the Bongo District	Dr. Wayo Seini Senior Research Fellow
11/11/03	A Development-Focused SDR Allocation	Prof. Ernest Aryeetey, Director

25/11/03	Land Reforms in Ghana; Promoting Efficiency with Equity?	Ms. Dzodzi Tsikata Research Fellow
2/12/03	The Use of Economic Resources by Displaced People: Lessons from mining Districts in Ghana.	Dr. Anthony Tsekpo, Research Fellow
2/3/04	Making Sense of Development Policy. A Study of a Poverty Reduction Project in the Afram Plains.	Ms. Nana Akua Anyidoho, Ph.D candidate in Human Development & Social Policy, Northwestern University.
23/3/04	Fertility Decline in Ghana	Dr. Clement Ahiadeke Senior Research Fellow
30/3/04	The Structural Adjustment Programme and Small Holder Food Crop Production Intensification In Ghana.	Dr. A. Wayo-Seini, Senior Research Fellow
6/4/04	Empirical Analysis of the Yield Curve in Ghana	Mr. Komla Dzigbede, Principal Research Assistant
13/4/04	The Effects of Climate Change in Maize Supply in Ghana.	Ms. Ama Asantewah Ahene, Principal Research Assistant
20/4/04	Environmental Externalities	Dr. George Botchie, Research Fellow
27/4/04	The Right to Development	Dr. Ellen Bortei-Doku, Aryeetey, Senior Research Fellow
4/5/04	Efficiency in Healthcare Delivery in Ghana.	Ms. Evelyn Kwakye Principal Research Assistant
11/5/04	HIV/AIDS in Tertiary Institutions in Ghana.	Prof. J.K. Anarfi, Associate Professor
18/5/04	Foreign Aid, Revenue Generation and Public Investment in Ghana: A Vector Autoregressive Approach	Mr. Christian Ahoror Principal Research Assistant
25/5/04	Land Tenure and Livelihoods in Ghana	Dr. Dzodzi Tsikata, Senior Research Fellow
1/6/04	Elections and Stock-market Trends in Ghana/Anomalies and Returns on Stocks in Ghana.	Mr. Michael Nimo, Principal Research, Assistant

8/6/04	The Contribution and Impact of NGO Activities on Women in Ghana: A Case study of the Ga District	Mrs. Cynthia Addoquaye Tagoe Principal Research Assistant
15/6/04	The Data Bank Welfare Index - An Alternative to the Misery Index	Mr. Benjamin Roberts, Research Analyst, Databank Index

## **Training Programmes**

### **M.A/M.Phil Development Studies**

Twenty (20) students were admitted to the M.A. Development Studies programme in the 2003/2004 academic year and they are all expected to graduate during the 2004/2005 academic year.

Three (3) students from the 2002/2003 M.A. Development Studies programme were registered for the M.Phil programme. They are all expected to graduate in the 2004/2005 academic year.

### **Long Vacation Course in Statistics – 2004**

The Long Vacation Course in Statistics started on 3rd June, 2004 and ended on 7th August, 2004. In all 214 students were admitted to the programme. The distribution of students was as follows:

- Certificate I – 57 students
- Certificate II – 65 students
- Diploma I – 52 students
- Diploma II – 40 students

### **Short Courses**

Four short courses were again organized for policy makers, development analysts, programme implementers, consultants, researchers, District Assemblies and students. These were run from 24th May 2004 – 7th August, 2004. Two separate courses were also run for participants from the National Population Council and Parliament House. In all, 89 participants were admitted for the courses. The four courses that were offered were:

- Project Planning and Appraisal
- Project Implementation, Monitoring and Evaluation
- Research Methodology and Report Writing
- Data Management and Analysis

## **Staffing and Staff Development**

For the 2003/2004 academic year Prof. Ernest Aryeetey remained the Director of ISSER with Prof. John K. Anarfi as Deputy Director. Prof. N.N.N. Nsawah-Nuamah, the Head of the Statistics, Computing, Communications and Information Division

took a leave of absence in order to take up the position of Deputy Government Statistician with effect from May, 2004. Dr. George Botchie Research Fellow, retired from the University on October 1, 2004.

The institute continued with its new staff development programme through the use of Principal Research Assistants (PRAs). Two PRAs, Michael Nimo and Christian Ahorator, were offered scholarships by JICA and the African Economic Research Consortium respectively to pursue programmes leading to Ph.Ds at universities in Japan and Nigeria. ISSER again recruited four additional PRAs in the areas of Agricultural Economics, Economics and Public Policy to strengthen programmes in these areas. ISSER plans to find 2-4 Ph.D places for PRAs in each year as part of the staff development effort. In addition, Mr Ernest Appiah, Research Fellow, received a Ford Foundation fellowship to pursue Ph.D training at the London School of Hygiene and Tropical Medicine. Mrs Ophelia Ankrah, Chief Accounting Assistant travelled to Cairo with IDRC support for a short course as part of staff development efforts.

The academic year also saw three promotions at ISSER. Dr. Dzodzi Tsikata became Senior Research Fellow and Professors A. Wayo Seini and Clement Ahiadeke were promoted Associated Professors.

Following all the changes, ISSER had the following staffing situation in 2003/2004.

Professor	-	1
Associate Professor	-	4
Senior Research Fellow	-	2
Research Fellow	-	6
Assistant Registrar	-	1
Chief Research Assistant	-	1
Principal Research Assistant	-	11
Other Senior Staff	-	9
Junior Staff	-	9

It may be observed that one Senior Staff member, Mr. S.T.Tawiah, died during the year.

### **ISSER Advocacy Work and External Collaborations**

ISSER continued to pursue its advocacy programme with the aim of getting closer to society with its research results and expertise. The advocacy work is clearly dominated by the presentations of the SGER and NHDR as a way of influencing policy. But very important in the collaborations that ISSER is pursuing is the relationship that ISSER has developed with Merchant Bank Ghana Ltd.

ISSER and Merchant Bank Ghana Ltd have had six years of extremely useful collaboration which has focused on the organization of the annual "ISSER-Merchant Bank Economic Lectures". These lectures have attracted very capable and highly

respected speakers. For each of the lectures the two institutions have agreed on an appropriate relevant theme and a speaker. While Merchant Bank has provided the funding, ISSER has had the responsibility of developing the terms of reference for the speaker, organizing the lecture and ensuring its publication. There have been six excellent lectures and publications since the collaboration began.

The principle of encouraging intellectual freedom has been upheld in these lectures. The diversity of themes chosen, focusing on their relevance to Ghana's rapid development, has led to many interesting and highly appreciated themes over the years. The diversity is reflected by this year's lecture under the theme "Economic Development: What Has Culture Got to do with it?" This featured a presentation from Ms Esi Sutherland-Addy of the Institute of African Studies, University of Ghana, and it was very well received.

Since the beginning of 2004 the two institutions have agreed to expand the focus of the collaboration even further. As a result, this year saw ISSER assembling a panel of economists to discuss the annual budget of the Republic of Ghana soon after it was presented to parliament. This new feature of the collaboration will be repeated next year and in subsequent years. Also, there will be a new weekly seminar series organized in Accra with the goal of deepening and widening discussions of economic development issues. The series in 2005 will be under the broad theme of "Public Policy in Development".

## **REGIONAL INSTITUTE FOR POPULATION STUDIES**

### **Overview**

The Regional Institute for Population Studies (RIPS) was established jointly by the United Nations and the Government of Ghana as a demographic training and research institution to serve English-speaking graduates in sub-Saharan Africa in February 1972.

Although the Institute offers training mainly to students from English-speaking African countries at the M.A., M.Phil., and Ph.D levels, a few other students from countries such as Egypt, Mozambique, West Germany and Papua New Guinea have been trained in the Institute. The Institute therefore makes significant contribution to the enhancement and development of the human resource base in the area of Population Studies in Africa.

It is to be noted that RIPS is the only tertiary institution in the country which provides post-graduate training leading to the award of M.A., M.Phil and Ph.D degrees in Population Studies. In spite of this, the Institute is currently going through financial straits following the UNFPA's withdrawal of funding to the Institute and non-functioning of the Governing Council since 2000.

RIPS has revised its course structure and academic programmes to synchronize its academic calendar with the semester/course credit unit system of the University of Ghana.

### **Admissions**

Eight students, made of seven Ghanaians – three males and four females - and one male foreign student from Lesotho were admitted for the M.A. programme during the year.

An M.Phil candidate and a Ph.D. candidate (on part-time) completed their respective programmes and were subsequently awarded their respective degrees by the University.

Due to financial constraints, the Institute's annual demographic sample survey (which provides practical training for students as well as increasing the demographic database of the Institute for research) could not be carried out.

The Institute was involved in a field study, (Co-ordinated by Dr. Philomena Nyarko) which was aimed at developing a methodology that can be used for assessing the health impact of the Ghana Community-Based Health Planning and Services programme (CHPS) being implemented by the Ghana Health Service, Ministry of Health with funding from the Population Council, New York, USA.

### **Staffing Position**

The breakdown of staff at post is as follows:

- 1 Professor
- 4 Senior Lecturers
- 1 Lecturer
- 2 Senior Administrative Staff
- 6 Senior Staff
- 10 Junior Staff

Out of this number, One Senior Lecturer – Dr. Tesfay Teklu retired from service on 1st October, 2004. Another staff (Dr. Philomena Nyarko) is on a two-year leave of absence with effect from 1st March, 2004.

One Messenger/Cleaner also retired on 1st October, 2004.

### **Research Projects/On-going Research**

#### **Kwankye, S.O.**

- Successfully completed and defended Ph.D thesis on **“Female Adolescent Sexuality, Contraceptive Use and Reproductive Health in the Central Region of Ghana: A Case Study of Cape Coast and Mankrong”**, on 4th March, 2004, published and dated June, 2003.

### **Mba, C.J.**

- Author, “**Challenges of Population Census Enumeration in Africa: An Illustration with the Age-Sex Data of the Gambia**”, in **Research Review**, Vol.20, No.1, 2004, pp.9-19.

### **Tawiah, E.O.**

- **Infant and Child Health: Evidence from Four sub-Saharan African Countries.** (On-going Research).

## **Conferences/Workshops/Seminars**

### **Kwankye, S.O.**

- Two-Weeks **Adolescent Sexual and Reproductive Health Advocacy Workshop** for National Youth Council Regional and District Personnel and Federation of Youth Associations in Ghana (FEDYAG) members held during 25th January – 6th February, 2004 at Kingsby Hotel, Accra, under the sponsorship of Africa Youth Alliance (AYA), Ghana – Acted as one of the key facilitators.
- Meeting at the Development Research Centre (DRC) on “**Migration, Globalization and Poverty**” and Child Migration Workshop at the University of Sussex, Brighton, United Kingdom from 30th March – 7th April, 2004. Presented a joint research proposal with Prof. John K. Anarfi on the “The North-South Migration of Children in Ghana” at DRC Workshop on Children Migrants during the same period.
- Workshop on the **Analysis of the 2003 Ghana Demographic and Health Survey** held at the Elmina Beach Resort from 19th – 29th May, 2004 at Elmina. Contributed a write-up of the Fertility Chapter of the report on the analysis.
- Regional Ministerial Review Meeting on the **Implementation of the Dakar – Ngor Declaration and the International Conference on Population and Development: Tenth Anniversary (DND/ICPD + 10)** held at the Meridien – President Hotel on 7th – 11th June, 2004 in Dakar, Senegal.

### **Mba, C.J.**

- 2004: Participated in the **UNFPA Partners Preparation Workshop on Fifth Country Programme Development Process** held at Volta Hotel Akosombo, Eastern Region (18-20 October, 2004).
- 2004: Participated in the **Research Methodology Workshop on Design and Analysis of Qualitative and Quantitative Studies** held in Nairobi, Kenya (19-31 July, 2004), jointly organised by Union for African Population Studies, African Population and Health Research Centre, and Opportunities and Choices Programme of the University of Southampton.
- 2004: Participated in the United Nations Workshop on **Improving Statistics on Fertility, Mortality and Disability in Africa**, held at GIMPA Legon, 14-18 June, 2004.

### **Tawiah, E.O.**

- **Adolescent Sexual and Reproductive Health Advocacy Workshop** for NYC Regional and District Personnel and Federation of Youth Associations of

Ghana (FEDYAG) Members, Accra, 25th January – 6th February, 2004.

- Symposium on **Reproductive Change in Ghana: Recent Patterns, Future Prospects**, University of Ghana, Legon, 23 – 24 June, 2004.
- United Nations Workshop on **Improving Statistics on Fertility, Mortality and Disability in Africa**, Accra, 14 – 18 June, 2004.

## Library Services

The library, a joint centre with ISSER, serves all clientele and provides good service to a wide spectrum of visitors.

## Strategic Review

An appeal is being made to the Government of Ghana to take appropriate action to determine the status of RIPS within the University of Ghana structure to pave way for its sustainability. This is considered on the grounds that RIPS is the only Institute that offers courses for a degree in Population Studies in Ghana and has the capacity to develop into a demographic training and research centre excellence in Africa.

# Environmental Science Programme

## Overview

The Graduate Programme in Environmental Science (ESP) of the University of Ghana aims at providing graduate education in the causes, effects and control of environmental problems, particularly in Ghana, for graduates in the basic sciences and closely related disciplines. The ESP is a multi-disciplinary graduate programme run by the Faculties of Science, Social Studies, Agriculture and Law. The generated environmental scientists are equipped with skills to undertake the responsibility for monitoring, investigate and advise on challenges of the environment.

The ESP consists of two semesters of taught courses followed by one year's research in an area of specialization. The course continues to attract students since its inception in 1998 with the latest admission of 17 students for the 2003/2004 academic year. The programme has benefited tremendously from the Carnegie Corporation Project of the University. The project technically came to an end in September, 2004.

The outcomes from the project may be measured in terms of the following:

- (i) Production of 18 more M.Phil. (Environmental Science) thesis with graduates equipped with adequate skills required to meet the challenges of finding solutions to the numerous environmental problems of the country.
- (ii) Research theses carried out beyond the immediate vicinity of the capital city of Accra
- (iii) Better presentation of research results
- (iv) Faster completion of write-up of dissertations.

It is clear that provision for field work would be a limiting factor for further admission of students including those already admitted for the 2003-2004 academic year who are not covered by the Carnegie Fund during their research year in 2004-2005. It is also clear that ESP cannot depend on Government Scholarship alone to fund the many anticipated research activities of the current intake of students to the Programme. This suggests rigorous sourcing for funds in the near future to sustain the progress made.

## Courses

The ESP continues to be coordinated from the Office of the Dean, Faculty of Science. The Various courses offered by the ESP were as follows;

- ESCI 601 – Soil, Water and Air Quality
- ESCI 602 – Environmental Economics
- ESCI 603 – Human Population & Urbanization
- ESCI 604 – Environmental Law
- ESCI 605 – Remote Sensing
- ESCI 606 – Environmental Impact Assessment

ESCI 607 –	Environmental Chemistry
ESCI 608 –	Atmospheric & Environmental Physics
ESCI 609 –	Water Resource Management
ESCI 610 –	Environmental Geology
ESCI 612 –	Forest Resource Management.

### Student Numbers

M. Phil. Part I Environmental Science	–	19
M. Phil. Part II Environmental Science	–	24
Ph.D. (Environmental Science)	–	4
<b>Total</b>	<b>–</b>	<b>47</b>

### Staffing Positions

The Environmental Science Programme is being Coordinated by Dr. P.K. Ofori-Danson, from the Department of Oceanography and Fisheries. The Environmental Science Programme has no permanent teaching staff. The Teaching staffs are mainly invited from the Faculties of Science; Agriculture, Social Studies and Law. In addition non-University teaching staff provide their services as Part-Time Lecturers. During the academic year under review the staff was made up of the following personnel:

### Staff from Faculties within the University

Name of Lecturer	Course Code & Title
Dr. K. Oduro-Afriyie	ESCI 601: Air (Part of Air, Soil & Water Quality)
Prof. S.K.A. Danso	ESCI 601: Soil Quality (Part of Air, Soil & Water Quality)
Dr. D. Carboo	ESCI 607: Environmental Chemistry
Dr. S. Agyei-Mensah	ESCI 603: Human Population & Urbanization
Dr. G. Wiafe	ESCI 609: Coastal Zone Management
Dr. P.K. Ofori-Danson	ESCI 609: Fisheries Resource Management
Prof. C. Gordon	ESCI 609: Freshwater Biology
Dr. A. B. Asiedu	ESCI 606: Environmental Impact Assessment
Mr. K. Gyan	ESCI 604: Environmental Law
Dr. D.K. Attuquayefio	ESCI 612: Forest Resource Management (Part of course)
Prof. K. Budu-Laryea	ESCI 612: Forest Resource Management (Part of course)
Prof. L. Enu-Kwesi	ESCI 612: Forest Resource Management Part of course)
Rev. Dr. S. Asuming-Brempong	ESCI 602: Environmental Economics
Dr. F. Nyame	ESCI 610: Environmental Geology

### Part-Time Lecturers

#### Dr. J.A. Ampofo

ESCI 609: Microbiology (Part of Water Resource Management)

#### Mr. S.A. Larmie

ESCI 601: Water Quality (Part of Air, Soil & Water Quality)

## **Workshop on key Issues of the Environment**

A two-day workshop was undertaken by ESP in June, 2004 at the Conference Hall of Cresta Royale Hotel, Accra. The theme for the workshop was on **'Provision of graduate education in the causes, effects and control of environmental problems in Ghana'**

This workshop formed part of the National Programme for the World Environment Day (WED) which fell on Saturday, 5<sup>th</sup> June, 2004. Students of ESP benefited through presentation of results from their thesis projects.

A total of about 150 participants were invited to the workshop which included environmentalists, staff from the Environmental Protection Agency, the press, academicians (lecturers), environmental journalists, local authority and NGO and CBOs.

## **Research**

The nature of the ESP requires that research be oriented in the direction of the thesis areas of the M.Phil. Part II students. These areas/titles and research areas for the M.Phil Part II students were follows:

- Influence of fire on floral diversity and some soil characteristics around the Vogoni sacred grove and adjoining farmlands in the Nadowli district.
- Impact of traditional coconut oil processing on the environment of the Amansuri Wetland in the Jomoro District of the Western Region of Ghana.
- The effects of human activities on the quality of water in the Songor Lagoon catchment.
- Impact of human activities on the water quality of Sakumo II Lagoon.
- The effect of Akpeteshie distillation from raffia palm on the Amansuri wetlands.
- Prevalence of cholera at Sukura (a suburb of Accra) and its socio-economic impact on the community.
- Assessment of air pollution in Tema Industrial Area.
- The use of lichen for biomonitoring of atmospheric trace element deposition from vehicular traffic emissions.
- Environmental and socio-cultural factors influencing the breeding and conservation of marine turtles in the Songor Ramsar site (Dangme East District).
- Community participation in protected area management in the savannah zone of Ghana: A case study of Mole National Park.
- The behaviour and fate of endosulfan in vegetable agro-ecosystems in Ghana.
- Integrated solid waste management in coastal environment.
- Assessing the population of enteric bacteria on two leafy vegetables cultivated on two urban farms in Accra irrigated with untreated waste water.
- Evaluation of environmental assessment systems in Ghana: A case study of manufacturing industries.
- Aspect of environmental change after Phase I of the Korle Lagoon Restoration Project.

- The effects of aircraft noise and fume emissions on the Kotoka International Airport and its environs.
- The use of geographic information system (GIS) as decision support system for malaria control in Ghana in selected parts of Accra Metropolitan Area.
- Studies on organophosphate pesticides in vegetables grown in peri-urban Accra.
- Assessment of rehabilitation of mine ecology: A case study of the Obotan Gold Project at Manso Nkran Amansie District of the Ashanti Region.
- Assessing the quality of drinking water and its impact on the community around Madina/Adenta area of Greater Accra Region.
- The management of Acid Mine Drainage (AMD) in the Wetlands of the Iduapriem Gold Mine near Tarkwa in the Western Region.
- Health effect of agricultural pesticides on vegetable farmers in Ghana.
- Mycorrhiza as a viable alternative approach for the improvement of some indigenous tree species at nursery stage and for the restoration of mined areas.

## **INTERNATIONAL PROGRAMMES**

### **Overview**

The Office of the Dean of International Programmes was established on 11th June, 1997. Among its duties is the promotion and coordination of all University external relations, including international students, Fulbright Scholars, staff and student exchanges and external staff training programmes. It is mandated to portray the University positively to the outside world to attract both human and monetary and physical investment.

The Office of International Programmes is located on the First Floor, Right Wing of the K.A.B. Jones-Quartey Building, (near the Faculty of Law) close to the main entrance of the University of Ghana.

The International Programmes Office continues to see an increase in the number of international collaborations, student exchanges, short-term (inter-semester) programmes as well as general interest in the University from various international institutions, persons and bodies.

The Office continues to directly manage Jubilee Hall by assigning rooms, settlement of students and management of the Hall staff. Currently, beds in Jubilee Hall are allocated by balloting according to sex and level. Two thirds of the beds are allocated to females with level 100 and 200 having preference for more beds. Priority is also given to final year students.

The International Programmes Office has sole responsibility for managing the International Students Hostel. The increase in number of foreign students has made it very difficult to accommodate all foreign students. Various traditional halls have been encouraged to collaborate in providing accommodation for international students. Because of the increase, it seems likely that it will be necessary to turn to private hostels to house some foreign students.

Prof. Chris Gordon, of the Volta Basin Research Project and the Zoology Department, who was the Interim Director of the sub-regional Centre for African Wetlands, started his three-year term as Dean of International Programmes from July, 2003. He is the third Dean of International Programmes. New systems have been put in place which has resulted in greater efficiency in the office resulting in better coordination and facilitation of both existing and new collaborative ventures with international institutions and bodies.

### **Staffing Position**

Dean	- Prof. Chris Gordon
Assistant Registrar	- Mrs. Christiana Badu

### **Office of the Dean**

Senior Administrative Assistant	- Mr. Doe Lawson (till December, 2003)
Administrative Assistant	- Mrs. Victoria Baku
Accounting Assistant	- Mr. Joseph Bosompem
National Service Personnel	- Vera Owusu Ansah
	- Emmanuel Buabin
Drivers	- Mr. Emmanuel Attu
	- Mr. Ernest Frimpong
Messenger/Cleaner	- Mr. David Kwasi Opare

In order to facilitate the timely release of results to our partner Universities, Dr. E. Quarcoo, Head of English Department, was appointed as the Examinations Coordinator in the second semester.

### **International Students' Hostel**

Manager	- Vacant
Chief Porter	- Mr. Dominic Mintah

### **Jubilee Hall**

Manager	- Miss Pearl Mensah (Acting)
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Staff in the International Hostel and Jubilee Hall number 12 Porters, 1 Electrician, 2 Laundry staff, and 24 Cleaners.

### **International Agreements**

The Office of International Programmes is the sole statutory University body empowered to handle formal legal links with outside universities and institutions. A fundamental part of the process is the signing of Memorandum of Understanding (MOU) between the University of Ghana and the external body spelling out the

conditions attaching to the agreement, financial implications and reporting mechanisms. The term of an MOU is usually five years.

Currently the University of Ghana has signed new agreements with 15 Universities and Institutions and renewed three existing agreements. New and renewed agreements signed in 2003-04 are listed in the following table:

#### **New Agreements**

Delaware State University, USA  
Free University of Brussels, Belgium  
  
Indiana University of Pennsylvania, USA  
John Hopkins University, USA  
Kochi University, Japan  
Mendel University of Agriculture and Forestry, Czech Republic  
Mississippi Consortium for International Development (MCID), USA  
Monmouth University, Australia  
Norwegian University of Science and Technology, Norway  
The International Network on Water, Environment and Health, United Nations University, Canada  
Trent University, Canada  
University of Alabama, USA  
University of Leeds, UK  
University of Miami, USA  
University of North Carolina at Chapel Hill, USA

#### **Renewed Agreements**

University of California, USA  
International Students Exchange Programme  
University of Missouri, USA

#### **Registered International Students**

The Office deals with students registering for full degree programmes (Regular Foreign students) and visiting students who register to study for a semester or two (Special Admission students). Numbers of both Regular Foreign students and special admission students continues to increase as mandated by the University's strategic plan. In accordance with the importance the University of Ghana places on cross-cultural experience made possible by the presence of foreign students on campus, this Office continues to administer an increasing number of Regular Foreign students and Special Admission students.

#### **Regular Foreign Students**

The following table indicates that the majority of foreign students registered for full-time studies in 2002-03 are from other African countries.

#### **Full-Time Students by Country of Origin**

<b>Country</b>	<b>Number of Students</b>
Benin	2
Botswana	20
Burkina Faso	9

	<b>Number of Students</b>
Cameroon	2
China	3
Gambia	22
Guinea	1
Ethiopia	1
Iran	1
Jamaica	1
Japan	1
Kenya	6
Korea	1
La Cote d' Ivoire	2
Liberia	15
Libya	1
Malawi	3
Namibia	7
Nigeria	130
Niger	2
Rwanda	1
Sierra Leone	25
South Africa	1
South Korea	1
Sudan	1
Tanzania	2
Togo	1
<b>Total</b>	<b>262</b>

### **Special Admission Students**

An increasing number of students continue to be attracted to the special admissions programmes each semester. International students from around the world have shown interest in the University but the bulk of interest continues to be from students at American Universities. Students share in the rich experience of study at the University during their semester or two on the Legon campus. The breakdown of Special Admission Students for 2002-03 follows:

### **Programme**

#### **Semester**

	1st	2nd
Council for International Educational Exchange (CIEE), USA	28	31
State University of New York (SUNY) at Brockport, USA	5	7
University of California, USA	42	3
Commonwealth Universities Study Abroad Consortium (CUSAC)	2	0
International Student Exchange Programme (ISEP), USA	12	15
Tufts University, USA	4	3
University Studies Abroad Consortium (USAC)	11	8
University of Missouri, USA	2	2

SOKA University, Japan	2	2
University of Alberta, Canada	0	9
Calvin College, USA	10	0
Independent Students	6	17
Total per semester	124	97
<b>Grand Total</b>		<b>221</b>

### **Short-Term (Inter-Semester Break) Programmes**

The running of short-term programmes during the inter-semester break continues to be of interest to American universities in the main part but also to others. The following universities officially registered and ran programmes at the University of Ghana in 2002-03.

### **First Semester Break (Winter Programme)**

Elon University (USA)

### **Second Semester Break (Summer Programme)**

Duke University, USA

Michigan State University, USA

Central Connecticut State University (Fulbright Educators Field School), USA

Savannah State University, USA

Temple University, USA

Universities Studies Abroad Consortium (USAC)

### **Student and Faculty Exchanges from the University of Ghana**

As part of the exchange arrangements between the University and some American institutions including Tufts University, North Carolina State University (NCSU), and the International Student Exchange (ISEP) Programme, the International Programmes Office in collaboration with the Vice Chancellor sent four exchange students abroad for studies in the programmes listed below:

<b>Student</b>	<b>Programme</b>	<b>Institution</b>
Salome Prasire Osani	Dept. of Social Work	Tufts University
Alex Duku Frempong	Political Science Dept	Tufts University
Mr. Edward A. Adimazoya	Sociology Dept	ISEP Programme
Mr. B. George Nkrumah	Physics	ISEP Programme

### **State of Missouri/Webster University International Business Internship Exchange (Summer 2004)**

The University of Ghana in collaboration with State of Missouri/Webster University International Business Internship Exchange made it possible for three students to participate in the programme for a summer.

Rabie Agha	-	Dept. of Information Studies
Emmanuel Kwasi Ansah	-	Dept. of Information Studies
Isaac Abednego Sackey	-	Computer Science Dept.

Indiana University/University of Ghana Faculty Exchange

The Office, in consultation with the Vice-Chancellor, sent **Mr. Samuel Atindanbila**, a faculty member in the Dept. of Psychology, on exchange to **Indiana University** (a partner university).

#### Visitors

The number of delegations and representatives of agencies and institutions interested in entering into collaborative ventures of one type or another with the University of Ghana continues to increase. During 2002-03, the Office received delegations from the following Universities and Agencies:

#### Australia

Edith Cowan University

#### Canada

University of Alberta

Canadian Bureau for International Education

#### Czech Republic

Mendel University

#### Ghana

Ghana Chamber of Mines

JICA Ghana Office

Kwame Nkrumah University of Science and Technology

Students In World Travel

#### International Agencies

The World Bank

United Nations Industrial Development Organization

World Resources Institute (USA)

#### Japan

Kochi University

#### Kenya

Kenyatta University

#### Netherlands

University of Amsterdam

Centre for Maritime Research

#### Nigeria

Ahmadu Bello University

Federal Airports Authority

National Assembly

Norway  
Council of Higher Education of Norway  
The Norwegian University of Science and Technology  
Russia  
Tver University  
Spain  
Universidad Complutense de Madrid  
United Kingdom  
University of Leeds  
United States  
California Polytechnic State University  
California State University  
Calvin College  
Clark Atlanta University  
Council on International Educational Exchange (CIEE)  
Duke University  
Elon University  
Goucher College  
ISEP  
United States (Contd)  
Kent State University  
Marywood University  
New York University  
Northwestern University  
Pacific University  
Pittsburg Sate University  
Seattle University  
State of Missouri  
Tufts University  
University of California  
University of California at Irvine  
University of Illinois  
University of Miami  
University of Maryland  
University of North Carolina at Chapel Hill  
University of North Florida  
University of Pennsylvania  
University of Utah

## **Presentations and Publications**

In May, 2004, the Dean of International Programmes made a presentation about the University of Ghana at the CUSAC Risk Management Workshop (Queens University, Canada) designed to market the university. This initiative was undertaken as a step toward meeting the Strategic Plan of the University of Ghana of increasing its foreign students to 10% of the overall student population.

## **Outreach and Extension**

On assuming office, the Dean of International Programmes visited some Departments to raise awareness of the activities, opportunities and constraints of the office. The Dean, accompanied by the Assistant Registrar, made presentations to nine Faculties and Departments that responded to a request for invitation to their staff meetings. Issues pertaining to the major challenges facing the Office were canvassed. These issues included the late submission of Special Admission Students grades leading to serious delays in issuing transcripts; a 'negative' attitude (both socially and academically) formed by some international students; security of foreign students (including measures in place and planned improvements); and, the failure of some Departments and faculty members to register link programmes with the Office.

The presentations resulted in many fruitful and constructive contributions from Senior Members including:

1. The need for the office to provide a comprehensive list of Special Students to all Departments after close of registration.
2. Holding separate examinations for Special Admission Students and designating one examination Centre for such students.
3. Streamlining the process of requesting for grades to avoid duplication of demands.
4. Providing a timely and adequate reward/honorarium for early submission of grades.
5. Tuition fees paid by all International students to the University of Ghana must trickle down to the Departments, in a similar manner to the AFUF.

The Office was pleased with the results of this initiative and hopes that other Departments will avail themselves of the opportunity to provide input towards enhancing and advancing the smooth operation of the Office.

## **Donations**

In appreciation of the good relations Elon University enjoys with the University of Ghana, the institution donated a number of assorted books to the Balme Library. The group was led by Dr. Brian Digre.

## **Future**

Unfortunately, the existing procedures and protocols continue to be disregarded as some foreign universities with the connivance of some UG faculty continue to run "illegal" programmes on campus. The Office has sought to educate the University community with respect to its mandate in the hope that any such programmes will be brought into compliance with the regulations.

The ability of the Office to meet the ten-year corporate plan's strategic target of having International Students comprise 10% of the overall student population is entirely dependent upon the provision of adequate resources. This includes hostel space, appropriate staffing levels and funding.

# LEGON CENTRE FOR INTERNATIONAL AFFAIRS (LECIA)

## Overview

Legon Centre for International Affairs (LECIA) is an institution of the University of Ghana affiliated with the Ministry of Foreign Affairs. Its mission is to meet the nation's needs for well-trained diplomats, researchers and professional personnel in International Affairs, International law and International Economics.

The founding of the Centre in 1988 by the Council of the University of Ghana at the request of the Ministry of Foreign Affairs was considered as a matter of strategic importance. LECIA is an academic unit within the Faculty of Social Studies of the University of Ghana. The Centre runs twelve (12) months M.A. (International Affairs) programme.

The period under review was a particularly busy one for the Centre. This has been due mainly to the continuation of the M.A. to the Ghana Armed Forces Command and Staff College and the increase in the number of the Peacebuilding Training Programme and Good Governance for African Civilian Personnel. There were five programmes executed this year. These comprised of three specialized and two foundational programmes.

## Courses Offered

The Department offers these courses at the M.A level:

### Core Courses 2003/2004

#### INTA 601 International Relations

INTA 641 International law

INTA 661 International Economics Relations

### Elective Courses 2003/2004

INTA 652 International Trade and Development

INTA 692 Public Administration

INTA 682 Science and Technology in the Modern World

INTA 618 Ghanaian Foreign Policy

INTA 646 UN Law

INTA 624 Africa In World Politics

Required Courses 2003/2004

INTA 670 Language Proficiency

INTA 610 Research Methodology

Diplomatic Practice

Computer Training

## **2004/2005 - Elective Courses**

INTA 656 International Finance and Developing Countries

INTA 622 Issues in Ghanaian Foreign Policy

INTA 694 Issues in Public Administration

INTA 602 Regionalism and Integration

INTA 606 International Conflicts and Conflict Resolution

INTA 686 International Humanitarian law

INTA 642 Law of Diplomacy and International Institutions

### **M.Phil. Level:**

Core Course 2003/2004

Research Methodology

Core Course 2004/2005

Public Policy Analysis

### **Student Numbers**

LECIA admitted 34 students for the 2003/2004 academic year. Out of the 34 new students, 18 are female and 16 males. There are also 3 Foreign Students. The M.Phil programme is also made up of 6 students. The 2003/2004 admissions were slightly higher with 37 students.

### **Staffing Position**

The breakdown of staff at post is:

1 Professor

1 Associate Professor

1 Senior Lecturer

3 Lecturers

5 Senior Staff

5 Junior Staff

### **Research/ Projects**

- **Dr. B.Y.D Gebe**, Fulbright Scholar, Research on “Africa’s post-Cold War Security Architecture”, at the African Center for Strategic Studies (ACSS) of the National Defense University (NDU), Washington, D.C, USA, 1<sup>st</sup> June-30<sup>th</sup> November, 2003.

### **On-Going Research**

- **Dr. B.Y.D Gebe**, “The African Peer Review Mechanism: Towards Responsible Political Leadership and Good Governance in Africa: Issues and Hurdles.”
- **Dr. B.Y.D Gebe**, “Building a post-Cold War Security Architecture for Africa: An Institutional Approach.”
- **Dr. B.Y.D Gebe**, “United States-Africa Collaboration on Counter-Terrorism: A Necessity?”
- **Dr. B.Y.D Gebe**, “United States Foreign Policy and Conflict Management in Africa: From ACRI to ACOTA.”

## Publications

- **Antwi-Danso, V.**, LECIA Journal of International Affairs, Vol. 1. No.1, 2004. "The Cold War International System in Retrospect". (Forthcoming).
- **Ambassador Joseph Q. Cleland**, LECIA Journal of International Affairs, Vol. 1. No.1, 2004 "Diplomacy without Diplomats". (Forthcoming).
- **Ambassador Joseph Q. Cleland**, LECIA Journal of International Affairs, Vol. 1. No.1, 2004. A Book Review- "Landmarks of Dr. Kwame Nkrumah by Ambassador Bosumtwi-Sam. (Forthcoming).
- **Gebe, B. Y. D.** "Building Africa's Security Architecture for the Twenty-First Century: Old Realities, New Challenges and Opportunities." (Publisher- Friederich Ebert Foundation, Forthcoming).
- **Gebe, B. Y. D.** "ECOWAS Security Protocols and Conflict Management in West Africa." (Publisher- Legon Journal for International Affairs- (LEJIA), LECIA, Forthcoming).

## Seminars

These seminars are part of the teaching programme of the Centre. Participation is compulsory for all LECIA and GAFSCSC students. They are open to members of the University generally and Staff of the Ministry of Foreign Affairs. The seminars are held during the First and Second Semesters of the Academic years as follows.

### 2nd Semester of 2003/2004 Seminars

- Mr. Alan Kyeremanten; Ministry of Trade, Industry and Presidential Special Initiatives: The significance of the President's Special Initiatives.
- H. E. Valerie Orlov; Russian Ambassador to Ghana: Russian Foreign Policy towards Africa, with reference to West Africa since the end of the Cold War.
- Mr. Kofi Amenyah; Ministry of Trade and Industry: Africa and the WTO rounds of negotiations, Doha and Cancun; Outstanding issues and the way forward.
- Mrs. Mary Chinery Hesse; Deputy Chairman of the National Planning Commission: Gender and the world of work.
- H. E. Michel-Berit; French Ambassador to Ghana: Franco-African Relations, with reference to West Africa.
- Mr. Kwasi Abeasi; C.E.O of Ghana Investment Promotion Centre: Facing the challenges of attracting domestic and foreign investment-The way forward.
- Mr. Koichi Mizushima; Deputy Head of Mission, Embassy of Japan: Japan's development co-operation with Sub-Sahara Africa on poverty alleviation, with special reference to Ghana.
- Dr. Silvia Anie; Ghana AIDS Commission: H.I.V AIDS, Our experience, Our challenge.

### 1st Semester of 2004/2005 Seminars

- Mrs. Mary Chinery-Hesse; Deputy Chairman of the National Planning Commission: Global Security: The issues.
- Mr. R.D. Asante; Technical Advisor, West Africa Monetary Institute: The West Africa Monetary Integration: The challenges.

- Dr. Audrey Gadzekpo; School of Communication Studies: Gender and Domestic violence: The issues.

### **Conferences Attended**

- **Dr. V. Antwi-Danso**, February, 2004, Dakar, Senegal  
Institute for International Development.  
Workshop on Integration in Africa  
Paper Presented: "The challenge of Integration in West Africa".
- **Dr. V. Antwi-Danso**, July 2-10, 2004: Abuja, Nigeria.  
ECOWAS Secretariat: African Capacity Building Workshop  
Paper Presented: "Integration in Africa- Prospects and Challenges".
- **Dr. B.Y.D Gebe**, "African Challenges for Global Security Governance "at the International Conference on "Africa's Evolving Security Architecture: Regional Approaches to Managing Conflict," organized by the Southern African Defence and Security Management Network, in conjunction with Friederich Ebert Foundation, 28-30 June, 2004, Maputo, Mozambique.
- **Dr. B.Y.D Gebe**, "The Role of Academic and Research Institutions in Conflict Management and Peace-Building: The Case of LECIA" at the Regional Conference on "Towards An Efficient and Democratic Regional Security Architecture: The Role of Think Tanks", organized by the National War College, Nigeria, Institute for Peace and Conflict Resolution, in conjunction with Friederich Ebert Foundation, 25-30 July, 2004.

### **Benefactions**

Books were donated from the family of the Late Kenneth Dadzie to the Centre in March, 2004.

Prof. Ofori-Amaah, the first Director of LECIA also donated some journals to the Centre in July, 2004.

## **VOLTA BASIN RESEARCH PROJECT**

### **Overview**

The year under review witnessed several administrative changes at the VBRP Secretariat. Mrs. Cecilia Amoah, a Senior Research Fellow of VBRP assumed the position of Project Secretary (PS) in January, 2004, following the completion of Dr.D.K. Attuquayefio's four-year tenure. Likewise Prof. S. G. K Adiku took office as the new Chairman of the VBRP Management Board to replace Prof. G.T. Odamtten who was appointed the Dean of Science. Five new secretarial and other support staff also joined VBRP after a departmental transfer exercise. Four projects have

received approval for execution from three different agencies, namely Ghana Aids Commission, DANIDA and Ministry of Food and Agriculture.

Research Fellows have continued with their teaching, research and extension programmes in their various departments of affiliation. Mrs. C. Amoah continued to serve as the Board Chairperson of Community Water and Sanitation Agency. Prof. C. Gordon continued to maintain his position as the Dean of International Programmes.

### **Staffing Position**

During the 2003/2004 academic years, VBRP had staff strength of 23, made up of:

Associate Professors	2 (One on post retirement contract)
Senior Research Fellow	1
Research Fellows	7
Chief Technicians	2
Senior Fisherman	1
Technicians	2
Secretarial Staff	4
Drivers	2

### **Teaching**

As usual VBRP Research Fellows taught academic courses and supervised students thesis in their various departments of attachment.

#### **Addo, S.**

OCFS328 Fish diseases and pathology

**Amatekpor, J. K.** (Department of Soil Science)

### **Courses**

- SOIL 303: Soil Characterization and Classification.
- SOIL 304: Soil Degradation and Rehabilitation.
- SOIL 403: Soil Genesis, Survey and Land Use Planning
- SOIL 611: Soil Survey and Classification.
- SOIL 691&692: Graduate Seminars I and II

**Amoah, C.** (Department of Botany)

BOTN 417: Microbiology

BOTN 414: Economic Botany

- Supervised one Environmental Science Post Graduate Project Work
- Served on M.Phil Supervising Committee in the Environmental Science Programme
- Served on M.Phil Supervisory Committee in the Department of Botany

- Internal Examiner of 4 M.Phil Environmental Science thesis
- Supervised four (4) undergraduate dissertations

**Darpah, G .A.** (Department of Oceanography and Fisheries)

**Gordon, C.** (Department of Zoology)  
 ESP1 609: Water Resource Management  
 ZOOLOGY 411: Freshwater Zoology  
 Supervised two M.Phil Thesis

**Ofori, B. D.** (Department of Geography and Resource Development)  
 GEOG 103 – Introduction to Human Geography  
 GEOG 102 – Introduction to Mapwork  
 Supervised 9 under-graduate students' Projects (Dissertations)

**Tonah, S.** (Department of Sociology)  
 Soci 105: Statistics  
 Soci 305: Research Methods  
 Soci 306: Research Methods  
 Soci 315: Political Sociology  
 Soci 508: Social Life in Urban Communities  
 Soci 608: Social Life in Urban Communities

Total number of Thesis supervised:

Bachelor level	30
Graduate Diploma	2
Masters / M.Phil.	8
Ph.D	1

**Mr. T. Y. Annang**

Biol. 101: Interactions in Nature  
 Biol. 104: Plant Growth and Development

**Yirenya-Tawiah, D. R.**

BIO – 103, Human Physiology  
 BIO – 601 Biology of Parasites

### **Research/Extension**

- Initial Characterization and Continuous Monitoring of pedological characteristics of soils at the US – Israeli – Ghana Low Pressure Drip Irrigation Project Site.
- Management of Acid Soils in the Lower Volta Basin.
- Initial Investigations for the survey and mapping of unmapped soil areas in the Afram Plains.
- External Examiner for one Ph.D and one M.Phil Thesis for KNUST.
- External Examiner for one Ph.D and one M.Phil Thesis for KNUST.

- External Assessor of Promotional Papers for CSIR
- Review of Scientific Papers for publication in W. A. J. Applied Ecology.

**Addo, S.**

Homestead crab culture in the Lower Volta

**Annang, T. Y.**

Demonstration on the management of aquatic plants proliferation through composting in the Lower Volta Basin.

**Amoah, C.**

- Bacteriological quality of fresh and canned vegetables
- Bacteriological flora of fresh and processed clams and its public health implications
- Purification of drinking water using a local plant *Moringa oleifera*
- External assessor for Senior Officer Research Grade Promotion, C. S. I. R.

**Ayivor, J. S.**

- Administrative duties at the VBRP Secretariat
- Research on access to reeds for mat weaving in the Lower Volta basin
- Sustainable management of mangrove ecosystems: Ghana case study
- Post-dam agroecological challenges of the Lower Volta Basin
- Data entry at the Global Database and Information System (GLOMIS) Regional Centre for Africa, Centre of African Wetlands, University of Ghana, Legon, Ghana.
- Mangrove ecosystems rehabilitation in the Ada area
- Member – Planning Committee, Carnegie Project Workshop on Key Environmental Problems of Ghana, Constituted by Environmental Science Programme, University of Ghana, Legon, 2004.

**Ofori, B .D.**

- Continued with the implementation of the Lower Volta Ducks Project (LVDP) in the Volta Delta (A collaborative programme between VBRP and Heifer International – Ghana, an NGO).

**Tonah, S.**

- German Technical Cooperation (GTZ) & Association of Road Contractors of Ghana (ASROC) 2003. Public Private Partnership (PPP) Network in Road Maintenance in Ghana.
- German Technical Cooperation (GTZ) 2004. Preparation of Brochure on:
  - Promotion of Small and Medium Scale Enterprises in Road Maintenance in Ghana – An Overview.
  - Pre- and Post-Training Programme for Ghanaian Engineers.
- German Technical Cooperation (GTZ) 2004. Training Needs Assessment of the Association of Road Contractors of Ghana.
- German Technical Cooperation (GTZ) 2004. Preparation of Newsletter for

the ASROC October, 2003 & March 2004. Preparation of News Item on German Business Delegation's Visit to Ghana.

- Research into "Indigenous Livestock Production System and Farmer-Herder Relations in the Accra Plains (Dangbe East and West Districts)".
- Research into "Politics of Chieftaincy and Governance in the Northern Volta Basin (West Mamprusi District)".
- Research into "Fulani Livelihood in the Middle Volta Basin (Atebubu and Pru Districts)".
- Research into "Presidential Special Initiative (PSI) on Cassava in the Gomoa and the Awutu-Effutu-Senya Districts".

#### **Yirenya-Tawiah, D. R.**

- Continued Research on Genital Schistosomiasis in the Lower Volta Basin
- Organised and implemented A Clinic In Accra for Glofound Development Organisation an NGO in Accra Newtown with support form UNILEVER Ghana Ltd. Latter Day Saints Charities, Mr. BIGGS, Gloria Maternity Home.

### **Publications**

#### **Amatekpor, J. K.**

- Amatekpor, J. K. 2003. Lithologic Discontinuities in the Tertiary – Quaternary Deposits of the Volta Lake Drawdown Area and their Influence on Pedogenesis. Ghana Journal of Science, Vol. 37(1997): 47 – 57.
- Amatekpor, J. K. and G. N. Dowuona. 2003. Site Characterization. U.S.–Israeli – Ghana Cooperative Development Research Program. Dept. of Soil Sci. Publication No. 002/2003.

#### **Tonah, S.**

- Diviners, Malams, God and the Contest for Paramount Chiefship in Mamprugu/Northern Ghana. Paper presented at the Inter-Faculty Lecture, University of Ghana, Legon, November 13, 2003.

#### **Addo, S. 2003**

- Aspects of the reproductive studies of cichlids associated with the 'Acadja' system of the Keta Lagoon. Journal of the Ghana Science Association Vol 5 No. 2. Pp. 62-68.

#### **Addo, S. 2003**

- Food preferences of cichlids associated with 'acadjas' and open water of the Keta Lagoon. Journal of Ghana Science Association (2003) vol. 5, No. 1. pp. 134-144

#### **Addo, S. 2003**

- Environmental Baseline Study for the proposed West African Gas Pipeline Project (WAGP). Contributor (December, 2003).

#### **Amoah C., Odamtten, G. T. and Longmatey, H., 2004**

- Sensitivity of *Escherichia coli*, *Klebsiella pneumoniae* and other bacteria species isolated from drinking water in the Lower Volta Basin to some commonly used antibiotics. Ghana Journal of Science (Accepted for

publication).

**Amoah, C., Koranteng, S. S. and Ansa-Asare, O. D., 2004**

- Water Quality Assessment of spring water from Gravity Piped Water System in Hohoe District of Ghana West African Journal of Science (Accepted for publication).

**Amoah, C., Koranteng, S. S. and Ansa-Asare, O. D., 2004**

- Bacteriological Quality and its Public Health Implications of Spring Water from Gravity Piped Water Systems in Hohoe District of Ghana. (In preparation)

**Amoah, C. Adzaho, E. A. L., Chrappah, H. A. and Odamtten, G. T. 2004**

- Preliminary survey of the bacterial flora of Ghanaian currency notes and handsets of public telephones in the Greater Accra Region of Ghana. (In Preparation).

**Ayivor, J. S. and Kufogbe S. K. 2004**

- Agroecological Challenges of the Lower Volta Basin of Ghana. Bulletin of the Ghana Geographical Association (in press)

**Ofori B. D. & Birhanu (2001)**

- "Locational Pattern of Filling Stations in the Accra Metropolitan Area". *Bulletin of the Ghana Geographical Association.*, No. 23

**Ofori B. D. Essie-Blay, T., Heloo, J., Ofori, J. B., and Nartey, E.**

- "Agrodiversity within and without Conserved Forest for Enhancing Rural Livelihoods". In: Gyasi E. A. (Ed). *Managing Agrodiversity the Traditional Way: Lessons from West Africa in Sustainable use of Biodiversity and Related Natural Resources.* (in press).

**Tonah, Steve (2003).**

- "Conflicts and Consensus Between Migrant Fulani Herdsmen and Mamprusi Farmers in Northern Ghana". In Franz Kröger & Barbara Meier, Ghana's North, Peter Lang Verlag, Frankfurt , pp. 79-100.

**Tonah, Steve (2004).**

- "Defying the Nayiri: Traditional Authority, People's Power and the Politics of Chieftaincy Succession in Mamprugu/Northern Ghana". Legon Journal of Sociology Vol. 1, No.1. pp

**Yirenya-Tawiah, D. R.; Amoah C., Bosompen, K. M. Tonah, S, Ofori B. D. (2004)**

- Genital Schistosomiasis and HIV/AIDS in the Lower Volta Basin. Presented at the National HIV/AIDS Research Conference, Accra, 11th-13th February, 2004.

## **Conferences/Seminars/Workshops**

### **Addo, S.**

- National Stakeholder's Workshop on Aquaculture: 4-7 August, 2004 at Ho.

### **Amatekpor, J. K.**

- International Workshop on Farmline. British Geological Survey/DFID Sponsored Workshop. Erata Hotel, Accra, March 18, 2004.  
Paper Presented: Management of Acid Amo Soils Using Local Lining Materials.
- Special Returned USAID ATLAS/AFGRAD Participants Meeting. M-Plaza Hotel, Accra, March 16, 2004.  
Paper Presented: Impact of Returned AFGRAD Fellows on Development in Ghana/Africa.

### **Amoah, C.**

- National HIV/AIDS Research Conference, La Palm Royal Beach Hotel, Accra 11th – 12th February, 2004
- Twelve (12th) Congress of the Union of African Water Suppliers. Partnerships for sustainable Access to Drinking Water and Sanitation. Conference Centre, Accra – February 16 to 19, 2004.
- Community Water and Sanitation 2003 Annual Review Conference on Effective Utilization of the Decentralised structures for accelerated safe drinking water and improved sanitation delivery, Volta Hotel, Akosombo 24th – 28th February, 2004.
- Workshop on dry Sanitation System, Cresta Royale Hotel, Accra 13th April, 2004.
- Workshop on Provision of Graduate Education in the Causes, Effects and Control of Environmental Problems in Ghana. Cresta Royale Hotel, Accra. Organised in Collaboration with Ministry of Environment and Science, as Part of Activities Marking the World Environment Day 5th June, 2004. Sponsored by Carnegie Corporation of New York. 7th-8th June, 2004.
- Workshop on Team Building to enhance Boards and Management collaboration. Erata Hotel, 00 26th July, 2004.
- Community Water and Sanitation Mid-year Review Meeting, Chances Hotel Ho, 27th – 31st July, 2004.
- Annual Joint Donors Conference in Harmonising Approaches in Water and Sanitation delivery . Alisa Hotel, Accra, 15th–16th November, 2004.

### **Annang, T. Y.**

- 1st National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana. Accra International Conference Centre. 15th–19th March, 2004. (Rapporteur).

### **Ayivor, J. S.**

- Agroecological Challenges of the Lower Volta Basin of Ghana. Ghana Geographical Association National Congress on the theme "Sustainable

Development, Environment and Poverty”. Jones Quartey Memorial Building (CLT), University of Ghana, Legon. 17th January, 2004.

- *National Forum on Harnessing Research, Science And Technology for Sustainable Development of Ghana*. Accra International Conference Centre (AICC), 8th – 12th March, 2004.
- Workshop on Provision of Graduate Education in the Causes, Effects and Control of Environmental Problems in Ghana. Cresta Royale Hotel, Accra. Organised in Collaboration with Ministry of Environment and Science, as Part of Activities Marking the World Environment Day 5th June, 2004. Sponsored by Carnegie Corporation of New York. 7th - 8th June, 2004
- Stakeholders Validation Workshop on Ghana’s Wetland Inventory. Conference Room, Wildlife Division of the Forestry Division, Accra. Organised by Ghana Working Group – Wetlands Inventory of Ghana, under the Auspices of IUCN. 7th October, 2004.
- National HIV/AIDS Research Conference, Accra 11th–12th February, 2004 Organised by Ghana AIDS Commission co-author of paper presented, “Genital Schistosomiasis and HIV/AIDS in the Lower Volta Basin”.
- Workshop on Logical Planning, Shai Hill Resort, 29th–31st March, 2004. Organised by Heifer Project International.
- Workshop on Heifer Project International HIV/AIDS Workplace Policy. Manna Heights Hotel Mankesim, 22–26 September, 2003.
- Mitigating Schistosomiasis in the Lower Volta Basin of Ghana. Paper presented at the International Water Management Institute, Pretoria, South Africa, July 12-13, 2004.

#### **Yirenya-Tawiah, D. R.**

- 1st National HIV/AIDS Research Conference Held at La Palm Royal Beach Hotel 11th–13th February, 2004-National Forum.
- 1st National Forum on Harnessing Research, Science and Technology for Sustainable Development in Ghana. Accra International Conference Centre. 15th–19th March, 2004.

#### **Benefactors**

- Ghana Aids Commission: Project on Schistosomiasis and HIV/AIDS: (\$70,000)
- DANIDA: Project on Schistosomiasis HIV/AIDS and (\$120,000)
- Ministry of Food and Agriculture: Two projects on Homestead crab culture and River Clam culture respectively (¢495,668,400).